Mobile Viewer
Mobile Monitoring Software (MMS)

User Manual

※ The picture might differ according to the specification and model.
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5th Edition : 12 Oct 2012

Make sure to read this manual before using the software.
Please keep it in hand for future reference.

Contents

1. INTRODUCTION 1

2. MOBILEVIEWER FOR IPHONE, IPOD TOUCH & IPAD 2

2.1 SPECIFICATION OF IOS 2
2.2 INSTALL MOBILEVIEWER ON IPHONE, IPOD TOUCH & IPAD 2
2.3 MOBILE MONITORING 4
2.4 Q & A 7

3. MOBILE VIEWER2 FOR IPHONE & IPOD TOUCH, IPAD 8

3.1 SPECIFICATION OF IPHONE & IPOD TOUCH, IPAD 8
3.2 INSTALL MOBILEVIEWER2 SOFTWARE ON IPHONE 8
3.3 MOBILE MONITORING 10
3.4 Q&A 15

4. MOBILE VIEWER PRO FOR IPHONE & IPOD TOUCH, IPAD 16

4.1 SPECIFICATION OF IPHONE & IPOD TOUCH, IPAD 16
4.2 INSTALL MOBILEVIEWERPRO SOFTWARE ON IPHONE 16
4.3 SITE MANAGEMENT 17
4.4 LIVE MONITORING 20
4.5 VOD MONITORING 23
4.6 EVENT VIEWER 25
4.7 OPTION SETTING 26
4.8 APPENDIX 28
4.9 Q&A 31

5. MOBILE VIEWER FOR ANDROID PHONE 32

5.1 SPECIFICATION OF ANDROID PHONE 32
5.2 INSTALL MOBILEVIEWER SOFTWARE ON ANDROID PHONE 32
5.3 SITE MANAGEMENT 33
5.4 MOBILE MONITORING 35
5.5 CLOSE MMS SOFTWARE 36

6 MOBILEVIEWER2 FOR ANDROID PHONE 37

6.1 SPECIFICATION OF ANDROID PHONE 37
6.2 INSTALL MOBILEVIEWER2 ON ANDROID PHONE 37
6.3 SITE MANAGEMENT 38
6.4 MOBILE MONITORING 40
6.5 Q&A 42

1. Introduction

MMS (Mobile Manager Software) is the mobile viewer software that allows user to view video image from the DVR on the mobile phones. By installing the corresponding MMS software on the mobile phone, user can view live video image through Wi-Fi, 3G/4G Network.

Depending on the network situation and the kind of mobile phone to be used, user can select the most suitable connection way as below.

2. MobileViewer for iPhone, iPod Touch & iPad

2.1 Specification of iOS

Item	iPhone
O/S	iOS 3.1 or later
Device	iPhone 3GS or higher iPAD 1 or higher iPod Touch 4th Gen. or higher

2.2 Install MobileViewer on iPhone, iPod Touch & iPad

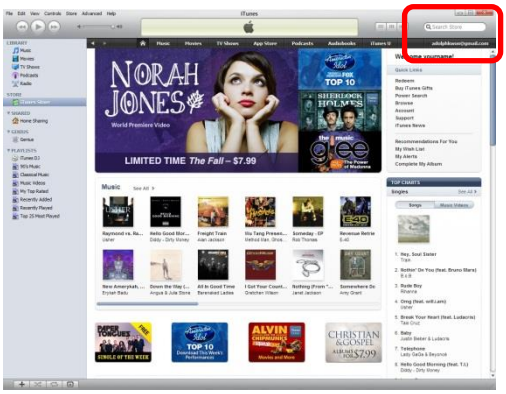
User is requested to download MMS software for iPhone (“MobileViewer”) from App Store.

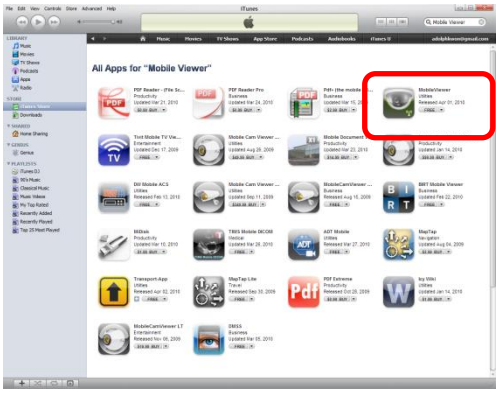
2.2.1. Installation through P/C (with M/S Windows O/S or MAC OS)

1) Execute iTunes on your P/C and login with right ID and password.

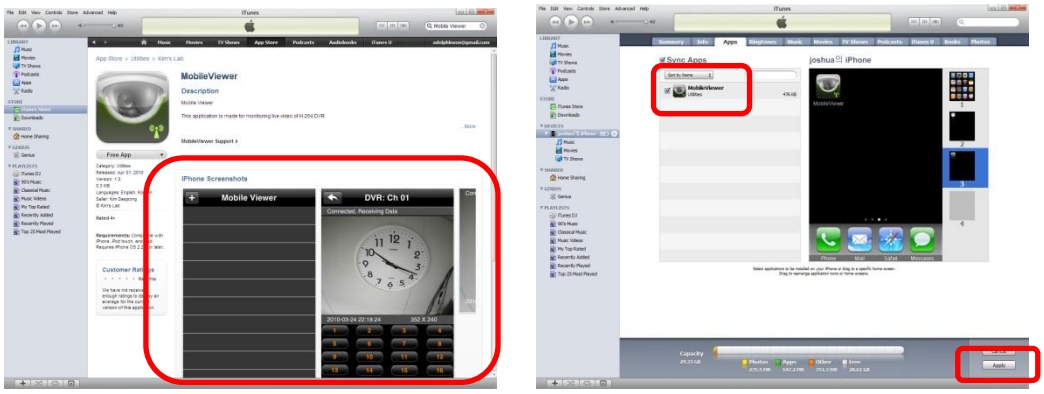
iTunes
Sign In to download from the iTunes Store
To create an Apple Account, click Create New Account.
Create New Account
If you have an Apple Account (from the iTunes Store or MobileMe, for example), enter your Apple ID and password. Otherwise, if you are an AOL member, enter your AOL screen name and password.
Apple ID:
Example: steve@me.com
Password:
Forgot Password?
AOL
Remember password for purchasing
Get
Cancel

2) Click App Store icon and input “MobileViewer” in search store box (Search Store).
After found, double-click the product icon to make sure that you have found the right software.



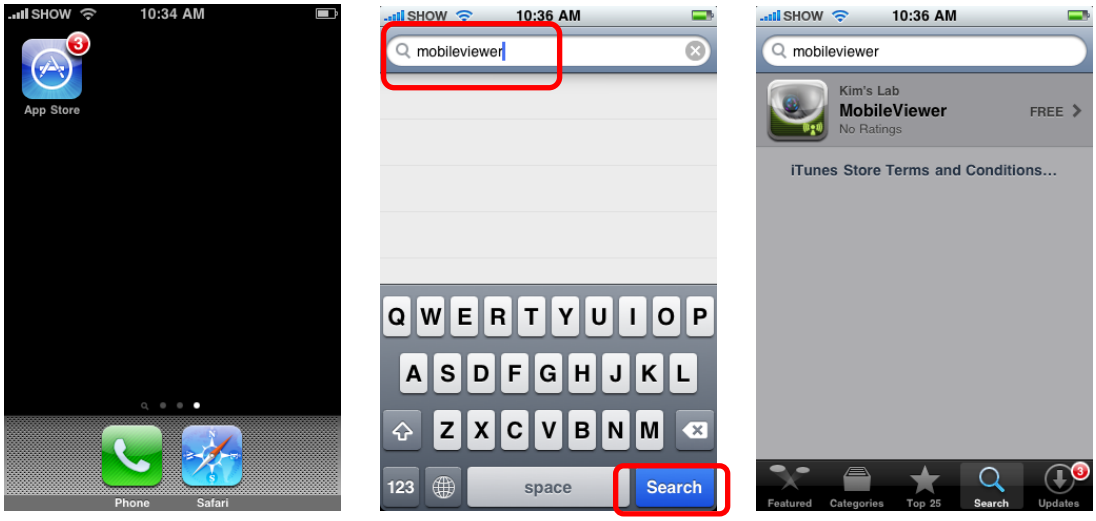


3) Click (Free App) or (FREE) button to start download of the MMS software.
4) After completing download, select Sync Apps (Sync Apps) and finally click [Apply] button.
Then, MobileViewer software will be installed to iPhone through iTunes sync.



2.2.2. Direct installation to iPhone, iPod Touch & iPad

1) Tap App Store icon on your iPhone, iPod or iPad to execute the software.
2) Input “MobileViewer” in search box and tap [Search] button.
   After found, tap the product icon to make sure that you have found the right software.



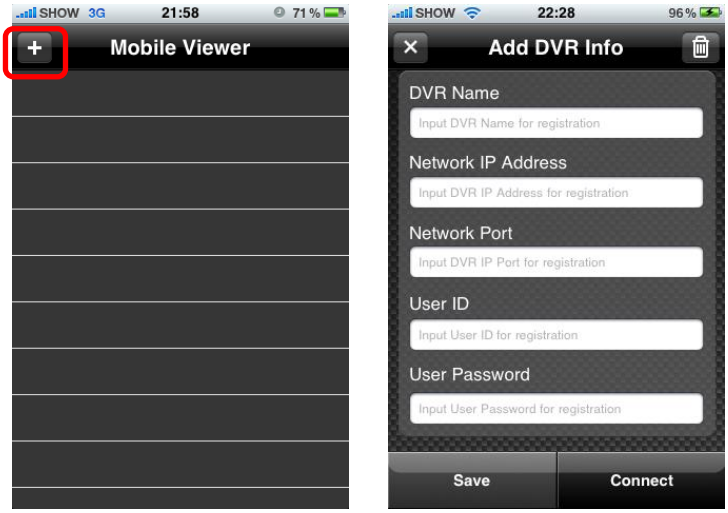
3) Tap [FREE] button after selecting MobileViewer icon, then [FREE] button will be changed to [INSTALL].
4) Tap [INSTALL] button to finally install MobileViewer software on your iPhone. After completed, MobileViewer icon will be enabled.

Note	**MobileViewer software is registered at App Store, hence, you have to get your Apple account registered for software download.**

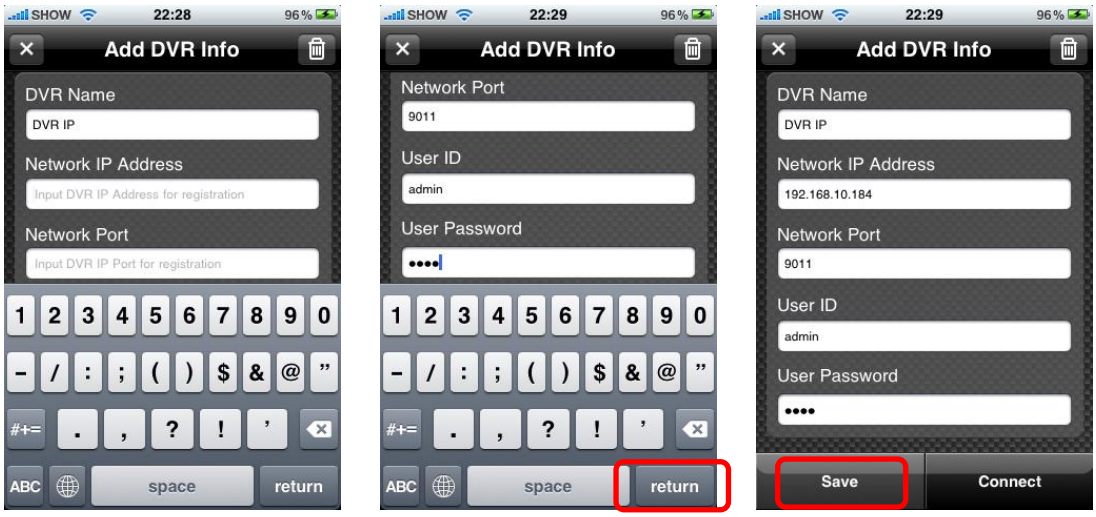
2.3 Mobile Monitoring

2.3.1. Site Registration

1) Tap MobileViewer icon and then tap Add button (+) to register new site.



2) Tap “Data Input Box” to call virtual keypad and input necessary information. Position of each “Data Input Box” will be scrolled up for further data input.



- DVR Name : Reference name
- IP Address : Input IP address of the DVR (ex, 123.123.123.123)
  - If you want to connect through DDNS (cctv-link.net), input full domain name.
    ex) 001C845C501F for mac address : 001C845C501F.cctv-link.net
    ex) demo1 for IP address : demo1.cctv-link.net
  - If you want to connect through public DDNS (dyndns.com), input full domain name.
    ex) yourdomainname.dyndns.org
- Network Port : Mobile port # set in the DVR (Default is 9011)
- User ID & Password : Same as registered in the DVR

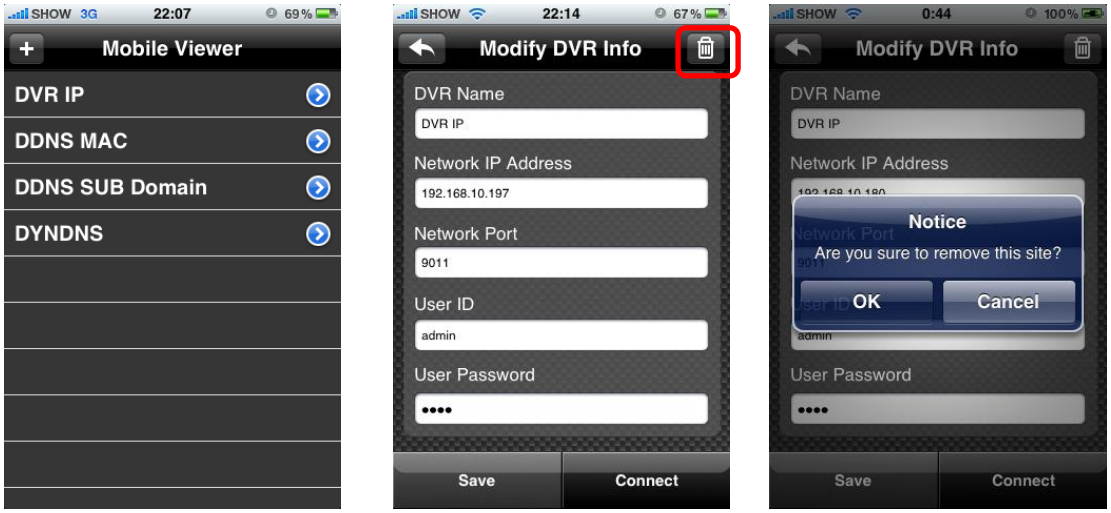
3) After data input is completed, tap [return] button to close virtual keypad and then tap [Save] button to save the site information.
4) Tap [OK] button to complete site registration.

2.3.2. Site Modification

1) Tap the Property icon ( ) of a specific site to open the site information
2) Modify details of site information and tap [Save] & [OK] button to complete.
3) Tap the Close icon ( ) to return to previous window.

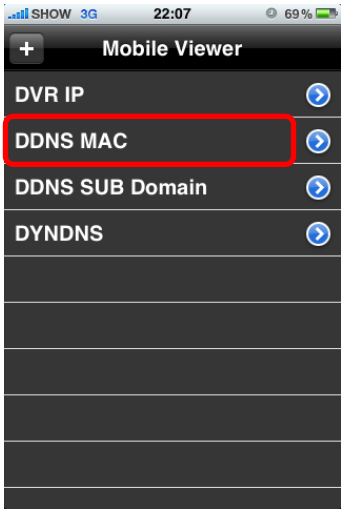
2.3.3. Site Delete

1) If you want to delete a specific site, then tap the Property icon ( ) of your target site.
2) Tap the Delete icon ( ) and then tap again [OK] button.



2.3.4. Live Monitoring

1) Select a specific site to view live image.
2) You can change the viewing channel by tapping numeric pad on the lower part of the phone.
3) Rotate the iPhone to view the image on full screen mode.



2.3.5. PTZ control

1) If the live channel has a PTZ connection, the PTZ mark will be displayed on the screen. However, it will be display on the one channel screen mode only.
2) Click the PTZ marked screen to change channel button into PTZ control button for PTZ control.
3) On PTZ control activated mode, if view mode is changed into horizontal way, PTZ control will be disappeared. But, if you want to go to PTZ control mode again, change view mode into vertical way and click the screen.

Note
1) iPod Touch also has the compatibility through Wi-Fi only.
2) If available, please use Wi-Fi network connection, instead of 3G connection. 3G connection may cause heavy charges.
It is strongly recommended that user has to pay attention to connection mode, Wi-Fi ( ) or 3G ( ).
3) MobileViewer and MobileViewer2 are separate programs. The default port of MobileViewer is 9011, and that of mobileViewer2 is 9010. And there is no compatibility between them.

2.4 Q & A

Q : I cannot connect to the DVR.

A : 1) It may take time to connect to the DVR depending on the network condition.
2) MobileViewer uses not the Base port(TCP/IP port) but the Mobile port of the DVR.
* MobileViewer2 and MobileViewer Pro uses the Base port(TCP/IP port)
3) Some model doesn't support MobileViewer.
Please try again with MobileViewer2 or MobileViewer Pro.
4) Please check the connection information.
For example, if the DVR is set with a private IP, it cannot be connected by Dial-up method.

Q : $1 is charged when I register Apple account.

A : 1) When you register the credit card information for payment information during the Apple account registration, they test it to check if it is correct information or not. And it will not be charged actually.
2) They check the credit card information irregularly.
They, sometimes, do the test charge when you purchase App.(free program is treated as pay program).

3. Mobile Viewer2 for iPhone & iPod Touch, iPad

3.1 Specification of iPhone & iPod Touch, iPad

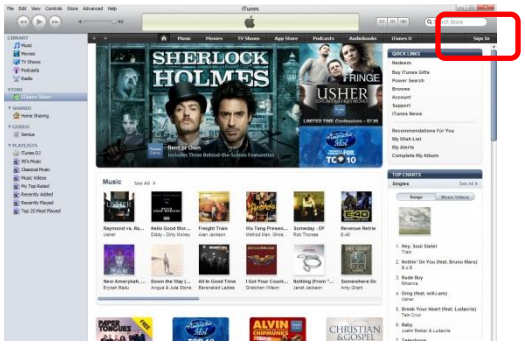
Item	iPhone
O/S	iOS 4.0.1 or later
Device	iPhone 3GS or higher iPad 1 or higher iPod Touch 4th Gen. or higher

3.2 Install MobileViewer2 Software on iPhone

User is requested to download MMS software for iPhone (“MobileViewer2”) from App Store.

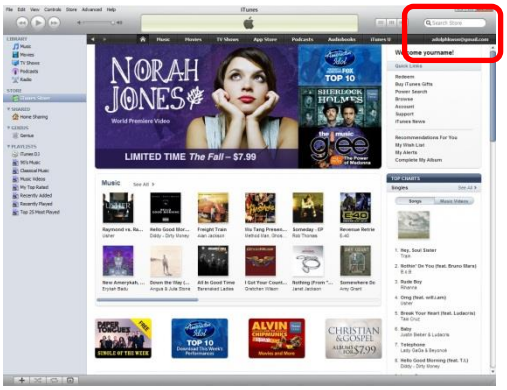
3.2.1. Installation through P/C (with M/S Windows O/S or MAC OS)

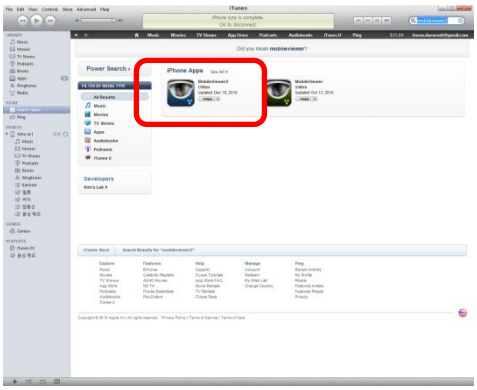
1) Execute iTunes on your P/C and login with right ID and password.



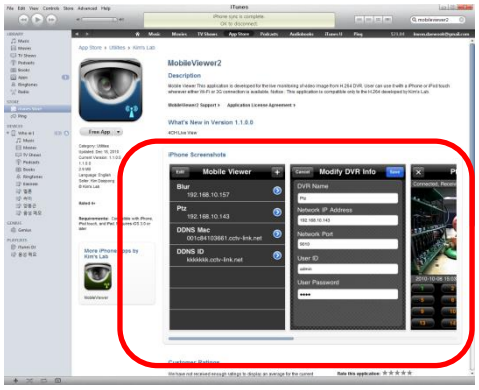
iTunes
Sign In to download from the iTunes Store
To create an Apple Account, click Create New Account.
Create New Account
If you have an Apple Account (from the iTunes Store or MobileMe, for example), enter your Apple ID and password. Otherwise, if you are an AOL member, enter your AOL screen name and password.
Apple ID:
Example: steve@me.com
Password:
AOL
Forgot Password?
Remember password for purchasing
Get
Cancel

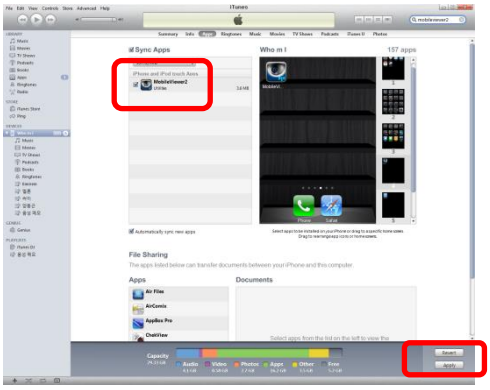
2) Click App Store icon and input “MobileViewer2” in search store box (Search Store).
After found, double-click the product icon to make sure that you have found the right software.





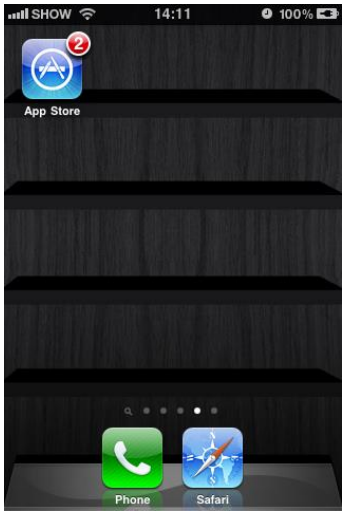
3) Click (Free App) or (FREE) button to start download of the MMS software.
4) After completing download, select Sync Apps (Sync Apps) and finally click [Apply] button.
Then, MobileViewer2 software will be installed to iPhone through iTunes sync.

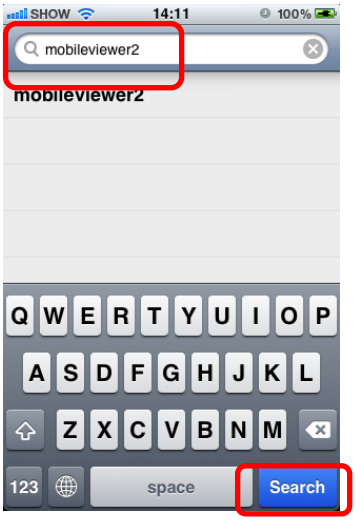


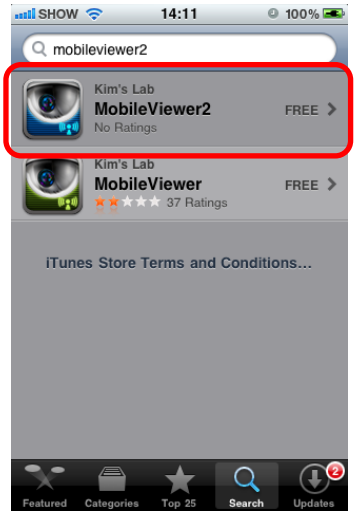


3.2.2. Direct installation to iPhone

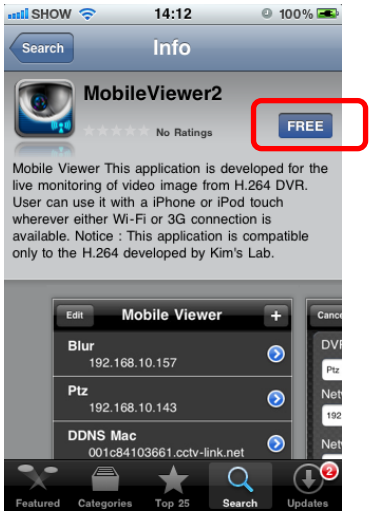
1) Tap App Store icon on your iPhone or iPod to execute the software.
2) Input “MobileViewer2” in search box and tap [Search] button.
   After found, tap the product icon to make sure that you have found the right software.

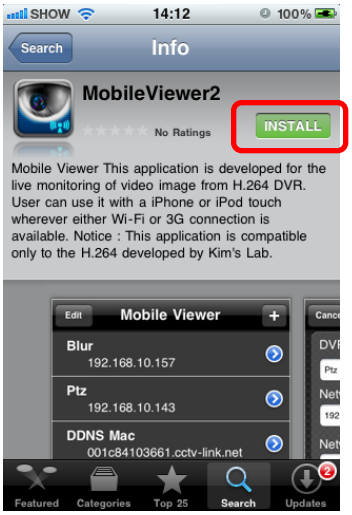


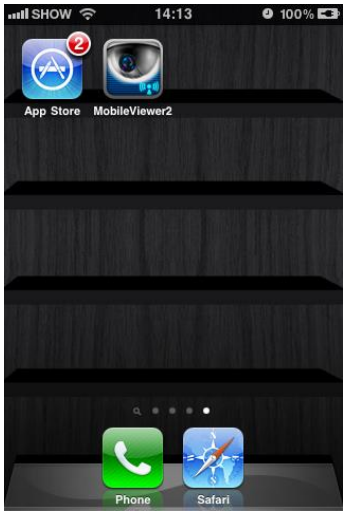




3) Tap [FREE] button after selecting MobileViewer2 icon, then [FREE] button will be changed to [INSTALL].
4) Tap [INSTALL] button to finally install MobileViewer2 software on your iPhone. After completed, MobileViewer2 icon will be enabled.





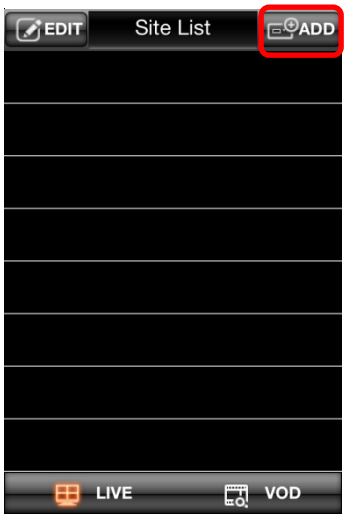


Note	**MobileViewer2 software is registered at App Store, hence, you have to get your Apple account registered for software download.**

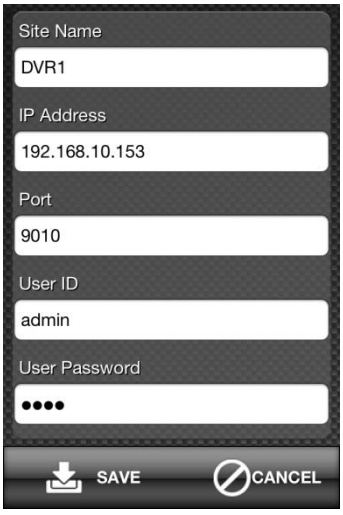
3.3 Mobile Monitoring

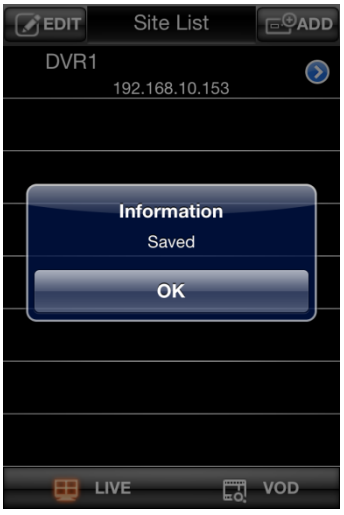
3.3.1. Site Registration

1) Tap MobileViewer2 icon and then tap Add button to register new site.



2) Tap “Data Input Box” to call virtual keypad and input necessary information.



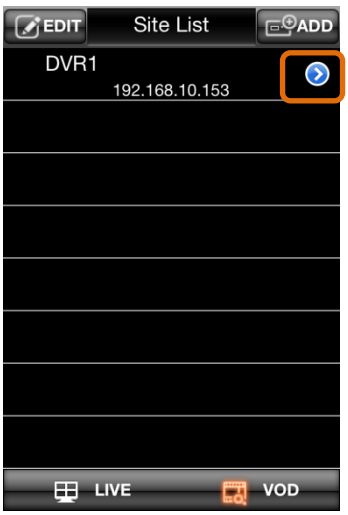


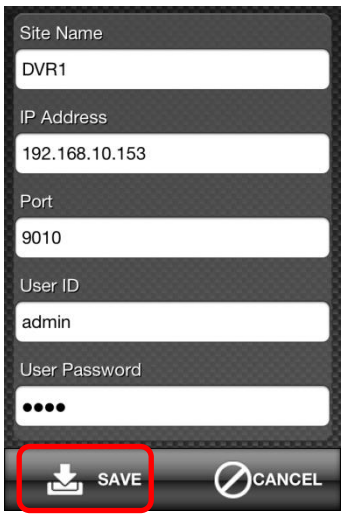
- DVR Name : Reference name
- IP Address : Input IP address of the DVR (ex, 123.123.123.123)
  - If you want to connect through DDNS (cctv-link.net), input full domain name.
    ex) 001C845C501F for mac address : 001C845C501F.cctv-link.net
    ex) demo1 for IP address : demo1.cctv-link.net
  - If you want to connect through public DDNS (dyndns.com), input full domain name.
    ex) yourdomainname.dyndns.org
- Network Port : TCP/IP port # set in the DVR (Default is 9010)
- User ID & Password : Same as registered in the DVR

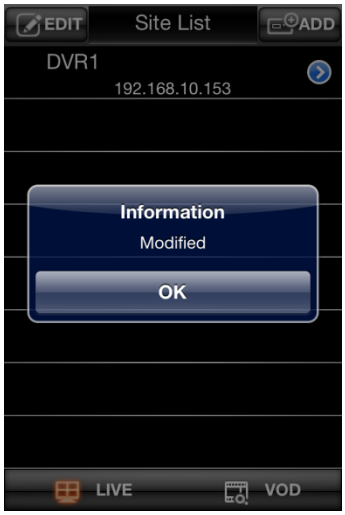
3) After data input is completed, then tap [Save] button to save the site information.
4) Tap [OK] button to complete site registration.

3.3.2. Site Modification

1) To modify site information, tap button to approach to edit mode, and then select site to edit.
2) Tap the save icon to save modification.
3) Tap the save icon to cancel modification.



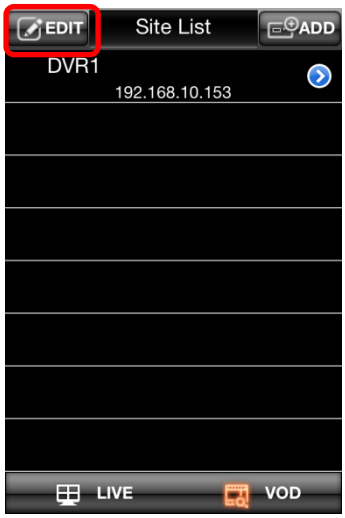


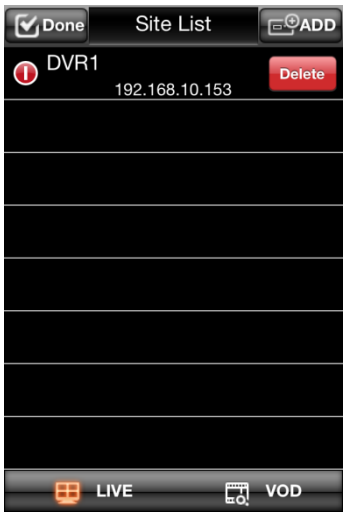


3.3.3. Site Delete

1) To delete a site, tap edit button to show button. And, when you click it, button for each site will show at the right side. Then, select a site which will be deleted.

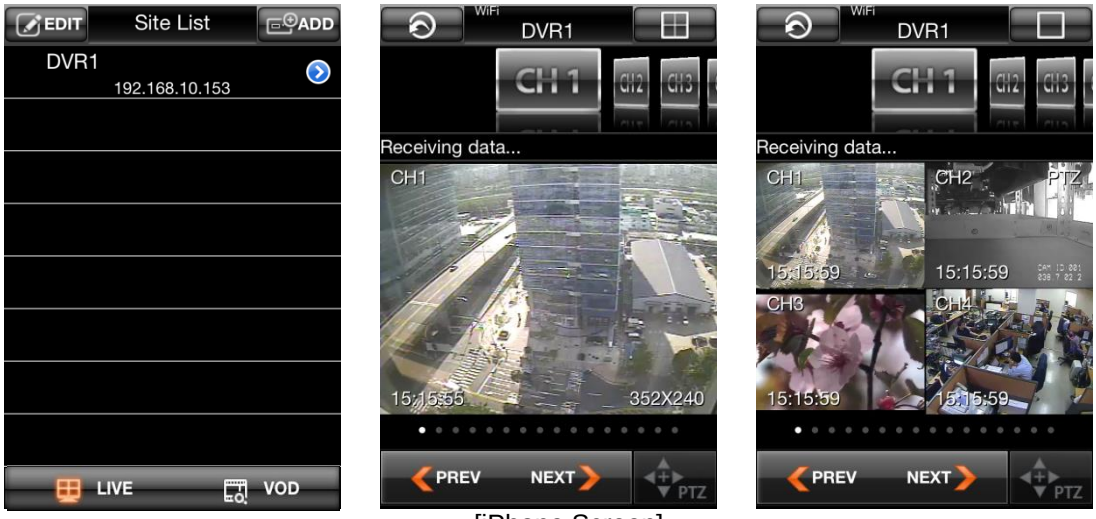
2) Site will be deleted without confirmation message.





3.3.4. Live Monitoring

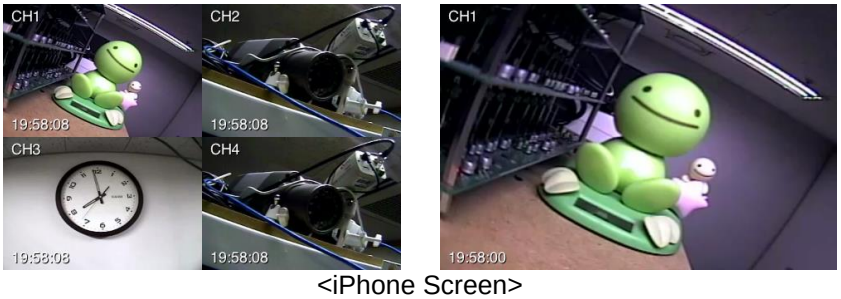
1) Click Live button and select a site to be connected.
2) Click 4View button( ) to show 4ch split screen in the connected state.
In case of iPad, 9 & 16ch split screen mode are also available.



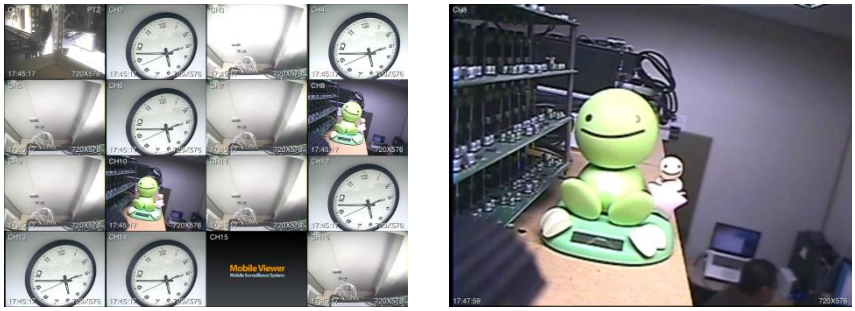
[iPhone Screen]

[iPad Screen]

3) In order to view with a full screen mode, rotate the iPhone in a horizontal way.
4) In 4ch split screen mode, click one of the channels to see as a 1ch mode.



<iPhone Screen>



<IPAD Screen>

5) If you want to view another group of channels on 4ch view mode, click an appropriate channel button( ) to switch.

6) 1ch screen mode, 4ch screen mode you can switch channels with screen swipe.
Using a finger, swipe left and right on the channel button( ) to move channel forward and backward.
Or move channel by tapping arrow( ) button.

3.3.5. PTZ Control

1) If a PTZ camera channel is shown, PTZ button( ) is activated.
It is shown at 1 channel mode only.
2) PTZ control is available on the image screen. When you drag on the image, Pan/Tilt operation respond accordingly. With two fingers operation(shrink or enlarge operation), you can control Zoom function.
3) When the PTZ mode is activated, preset control button( ) is activated. After selecting preset position and tap Run button( ), camera moves to the preset position.
4) Tap Exit button( ) to exit from the PTZ mode.

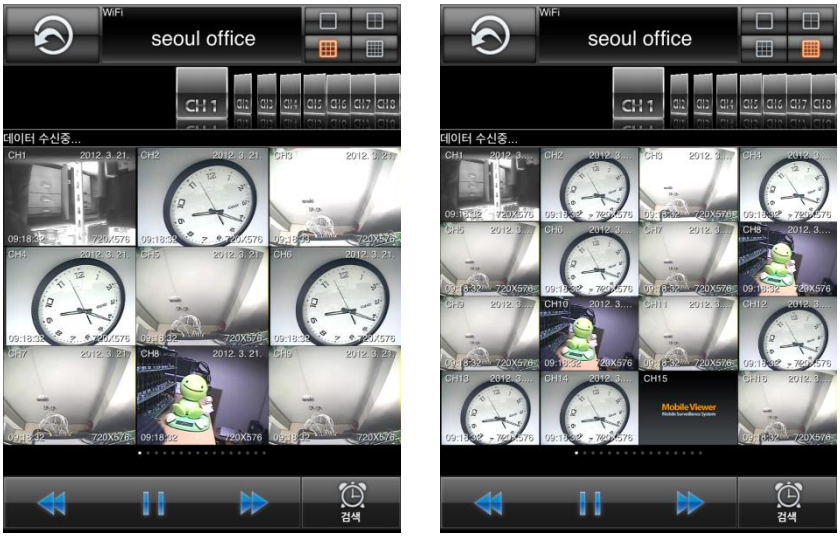
5) If a PTZ camera channel is shown, PTZ button( ) is activated.
It is shown at 1 channel mode only.

Note	**PTZ control may not be work immediately or properly depending on the network condition.**

3.3.6. VOD Monitoring

1) Tap VOD button and select an appropriate site to display VOD connection screen..
2) After selecting the date and time, Tap VOD button to connect. However, the DVR data corresponding to the date and time should exist.

<iPhone Screen>



<IPAD Screen>

Note

1) iPod Touch also has the compatibility through Wi-Fi only.
2) If available, please use Wi-Fi network connection, instead of 3G connection. 3G connection may cause heavy charges.
   It is strongly recommended that user has to pay attention to connection mode, Wi-Fi ( ) or 3G ( ).
3) MobileViewer and MobileViewer2 are separate programs. The default port of MobileViewer is 9011, and that of mobileViewer2 is 9010. And there is no compatibility between them.

3.4 Q&A

Q : I connected to a DVR but cannot see display image.

A : 1) If the port of the router which is connected to the DVR is not properly opened, image may not be transmitted correctly. Please check the router setting.
2) DVR has the limitation for the number of remote connection in order to keep stable operation. Please try again after disconnecting the other connections.
3) If the mobile port is set in the site registration, it doesn't allow image transmission. MobileViewer2 uses TCP/IP port for image transmission.

Q : Image display is not smooth.

A : 1) DVR transmit encrypted image. In order to display it in the mobile phone, decryption process is required. This decryption may affect to the smooth display.
2) Image transmission is much dependent on the network condition. Bad network condition may affect to the smooth display.

Q : $1 is charged when I register Apple account.

A : 1) When you register the credit card information for payment information during the Apple account registration, they test it to check if it is correct information or not. And it will not be charged actually.
2) They check the credit card information irregularly. They, sometimes, do the test charge when you purchase App.(free program is treated as pay program).

4. Mobile Viewer Pro for iPhone & iPod Touch, iPad

4.1 Specification of iPhone & iPod Touch, iPad

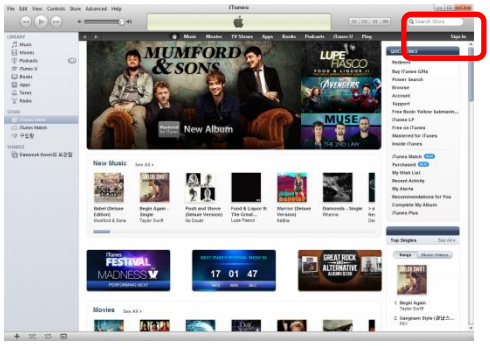
Item	iPhone
O/S	iOS 4.2 or later
Device	iPhone 3GS or higher iPad 1 or higher iPod Touch 4th Gen. or higher

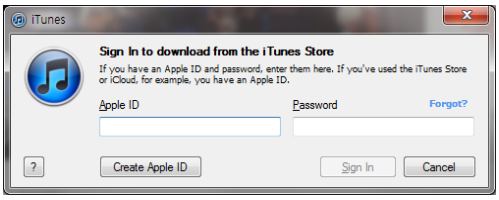
4.2 Install MobileViewerPro Software on iPhone

User is requested to download MMS software for iPhone (“MobileViewerPro”) from App Store.

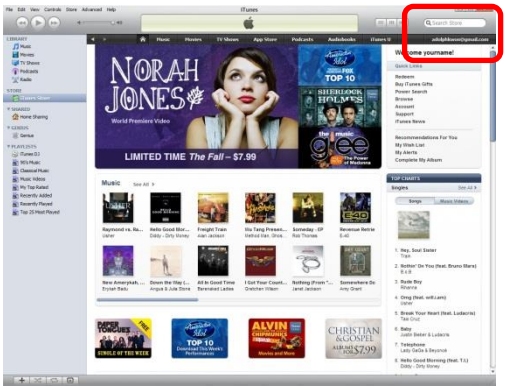
4.2.1. Installation through P/C (with M/S Windows O/S or MAC OS)

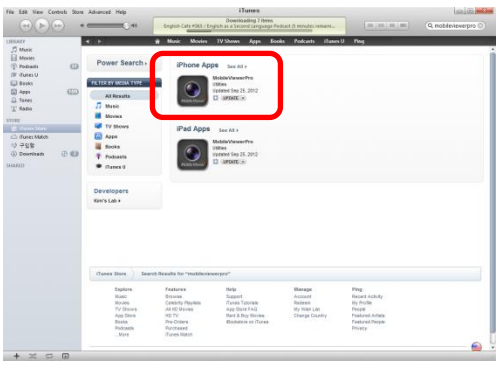
1) Execute iTunes on your P/C and login with right ID and password.




iTunes
Sign In to download from the iTunes Store
If you have an Apple ID and password, enter them here. If you've used the iTunes Store or iCloud, for example, you have an Apple ID.
Apple ID
Password
Forgot?
Create Apple ID
Sign In
Cancel

2) Click App Store icon and input “MobileViewerPro” in search store box (Search Store).
After found, double-click the product icon to make sure that you have found the right software.

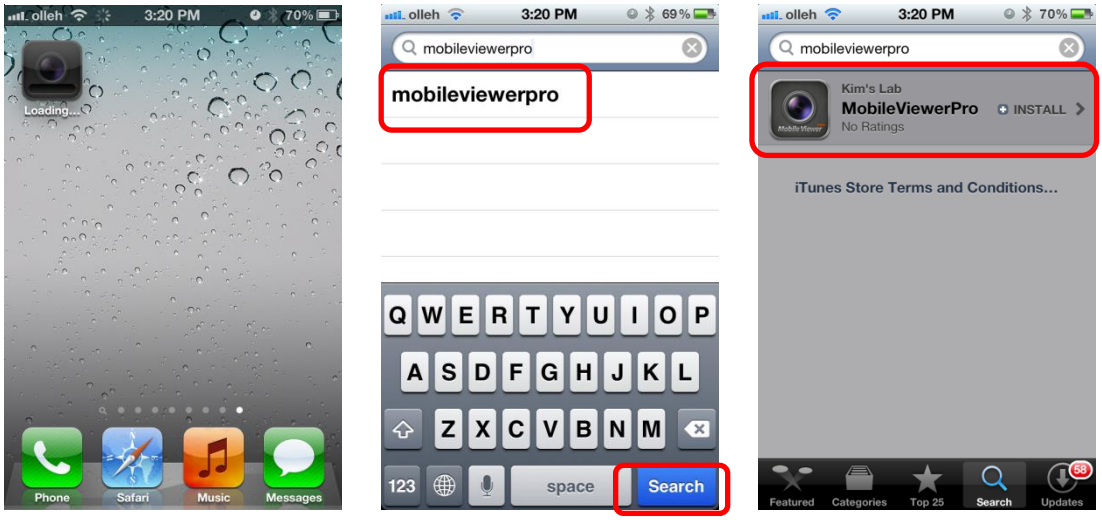




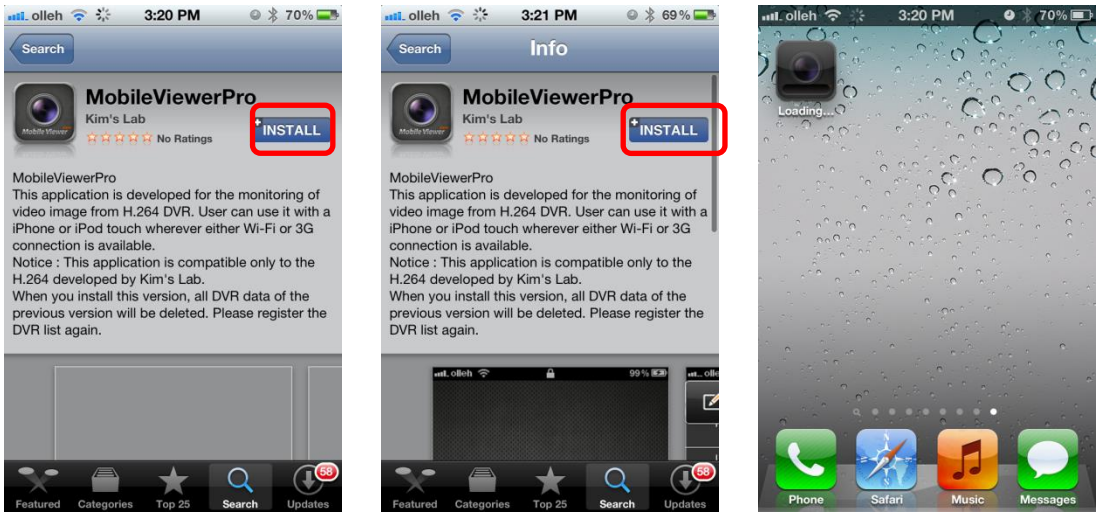
3) Click (Free App) or (FREE) button to start download of the MMS software.
4) After completing download, select Sync Apps (Sync Apps) and finally click [Apply] button.
Then, MobileViewerPro software will be installed to iPhone through iTunes sync.

4.2.2. Direct installation to iPhone

1) Tap App Store icon on your iPhone or iPod to execute the software.
2) Input “MobileViewerPro” in search box and tap [Search] button.
After found, tap the product icon to make sure that you have found the right software.



3) Tap [FREE] button after selecting MobileViewerPro icon, then [FREE] button will be changed to [INSTALL].
4) Tap [INSTALL] button to finally install MobileViewerPro software on your iPhone. After completed, MobileViewerPro icon will be enabled.

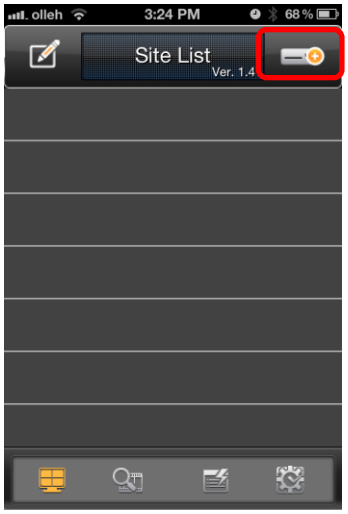

olleh 3:20 PM 70%
Search
MobileViewerPro
Kim's Lab
No Ratings
INSTALL
MobileViewerPro
This application is developed for the monitoring of video image from H.264 DVR. User can use it with a iPhone or iPod touch wherever either Wi-Fi or 3G connection is available.
Notice : This application is compatible only to the H.264 developed by Kim's Lab.
When you install this version, all DVR data of the previous version will be deleted. Please register the DVR list again.
Featured Categories Top 25 Search Updates
olleh 3:21 PM 69%
Search
Info
MobileViewerPro
Kim's Lab
No Ratings
INSTALL
MobileViewerPro
This application is developed for the monitoring of video image from H.264 DVR. User can use it with a iPhone or iPod touch wherever either Wi-Fi or 3G connection is available.
Notice : This application is compatible only to the H.264 developed by Kim's Lab.
When you install this version, all DVR data of the previous version will be deleted. Please register the DVR list again.
Featured Categories Top 25 Search Updates
olleh 3:20 PM 70%
Loading...
Phone Safari Music Messages

Note	**MobileViewerPro software is registered at App Store, hence, you have to get your Apple account registered for software download.**

4.3 Site Management

4.3.1. Site Registration

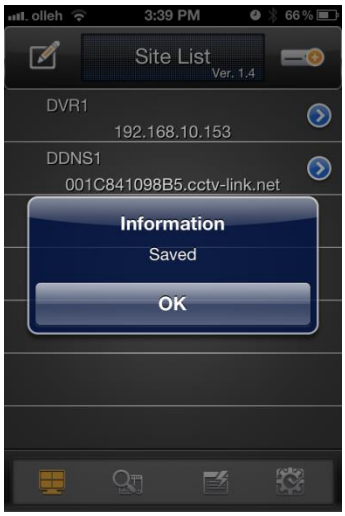
1) Tap MobileViewerPro icon and then tap Add button ( ) to register new site.



2) Tap “Data Input Box” to call virtual keypad and input necessary information.
If you want to use manufacturer’s DDNS service(cctv-link.net), input mac address or sub domain name. And then, when you select “DDNS Use”, full domain name(cctv-link.net) will be added automatically.
If you want to use public DDNS(dyndns.com), input full domain name without checking “Use DDNS”.

- DVR Name : Reference name
- IP Address : Input IP address of the DVR (ex, 123.123.123.123)
  - If you want to connect through DDNS (cctv-link.net), input full domain name.
    ex) 001C845C501F for mac address : 001C845C501F.cctv-link.net
    ex) demo1 for IP address : demo1.cctv-link.net
  - If you want to connect through public DDNS (dyndns.com), input full domain name.
    ex) yourdomainname.dyndns.org
- DDNS Use : It is for the easy input of domain name for manufacturer’s DDNS(cctv-link.net).
- Network Port : TCP/IP port # set in the DVR (Default is 9010)
- User ID & Password : Same as registered in the DVR
- Push Use : Acvitate it for using Mobile Notification function.

3) After data input is completed, then tap [Save] button to save the site information.
4) Tap [OK] button to complete site registration.



5) If the connection to the DVR is not available or the version of the DVR doesn’t support Mobile Notification function or the Mobile Notification function is not activated at the DVR, the message

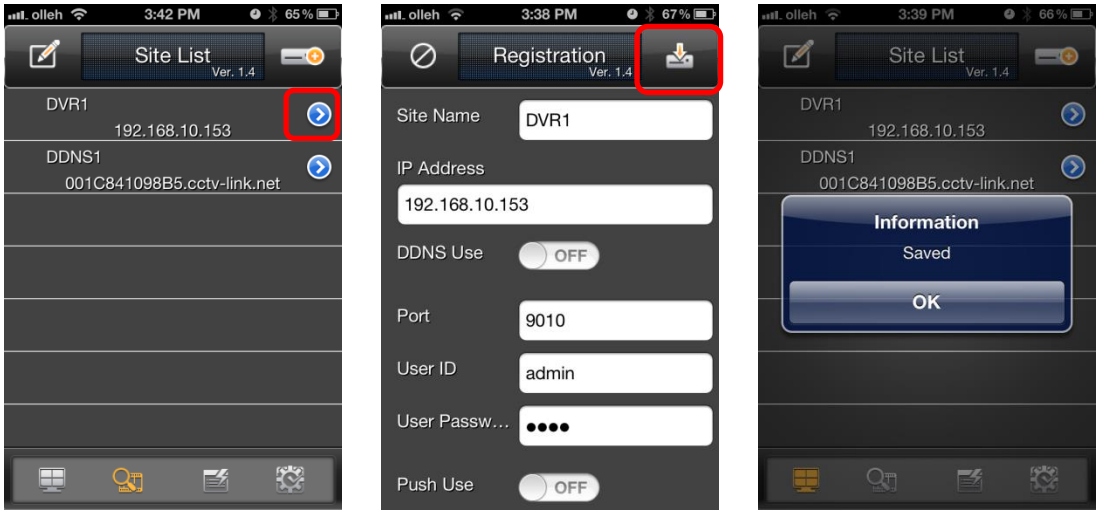
will pop up. In this case, please check the device condition and the DVR.

Note	**In order to use Mobile Notification function, the DVR should have the firmware which supports this function and the device must be in the network connection.**

Note	**"Use Push" function should be ON in the Mobile Viewer Pro in order to use Mobile Notification function.**

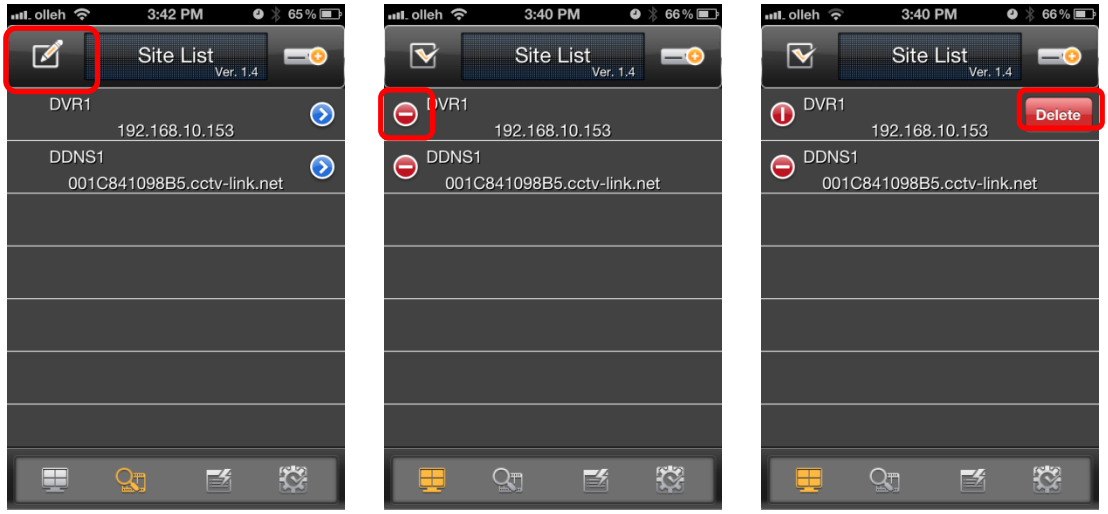
4.3.2. Site Modification

1) To modify site information, tap button of the desired site to approach to edit mode.
2) After finish edit site information, tap save icon ( ) to save modification.
3) To cancel the modification, tap cancel icon( ).



4.3.3. Site Delete

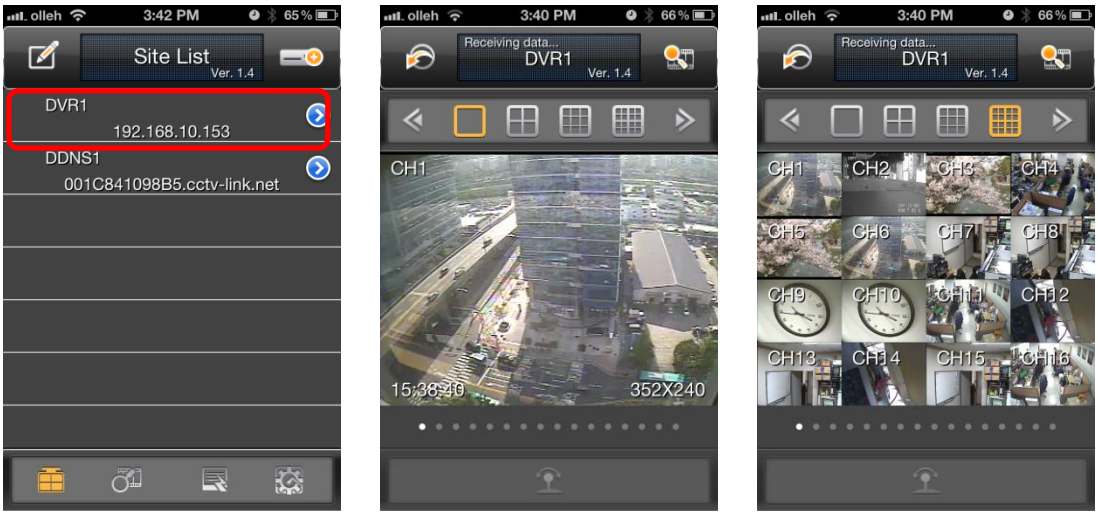
1) To delete a site, tap button( ) to show button. And, when you tap it, Delete button for each site will show at the right side. Tap delete button to delete the site.
2) After finish deleting site, tap finish button( ) to complete the process.



4.4 Live Monitoring

4.4.1. Live Monitoring

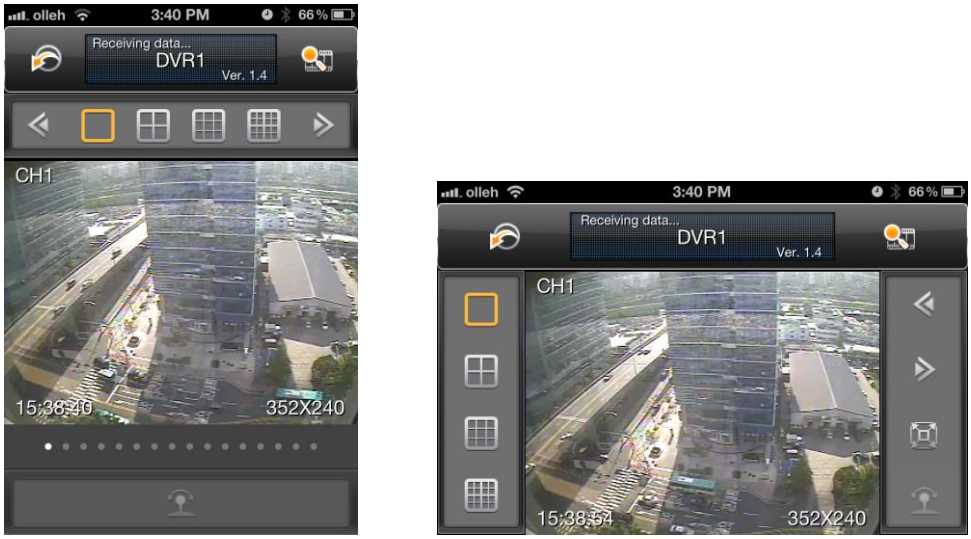
1) Click Live button( ) and select a site to be connected.
2) In order to monitor in a different channel mode, select screen split mode( ).



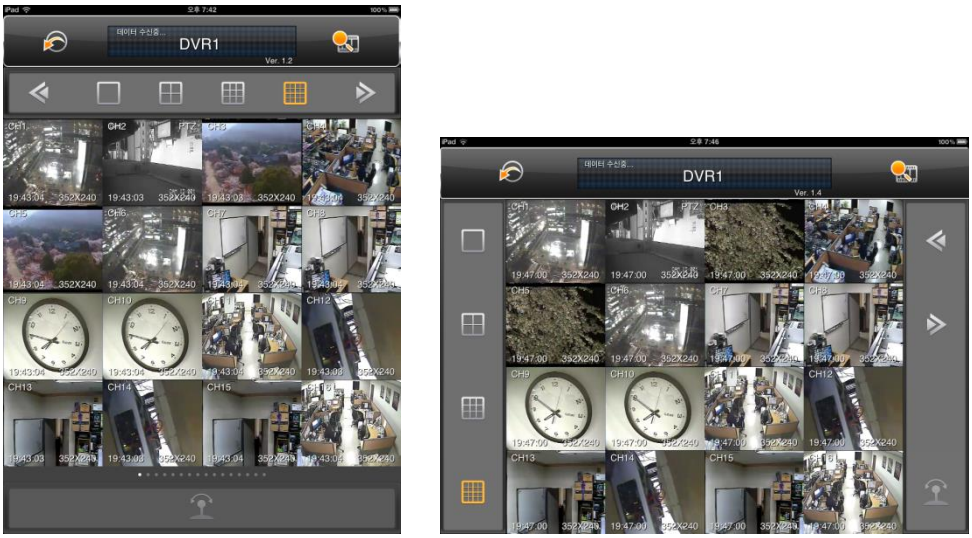
<iPhone Screen>

<IPAD Screen>

3) In order to view in a horizontal way, rotate the device.



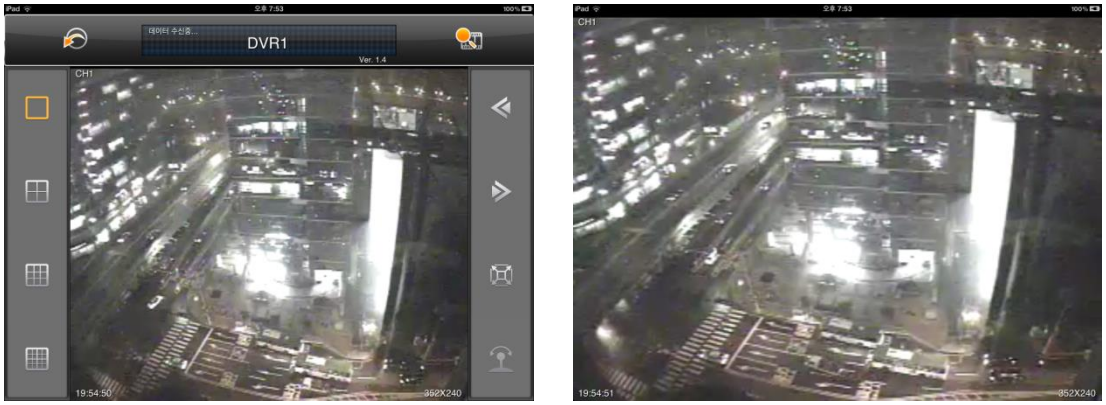
<iPhone Screen>



<IPAD Screen>

4) In order to view a channel with a full screen mode, tap Full Screen button( ) in a horizontal screen.
In order to return to normal screen, tap the image.

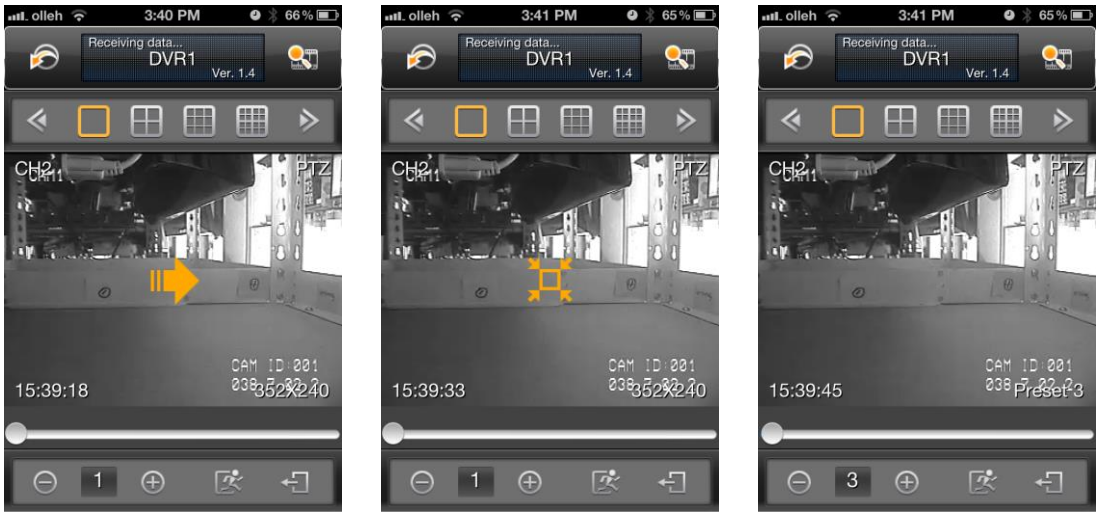
<iPhone Screen>



<IPAD Screen>

4.4.2. PTZ Control

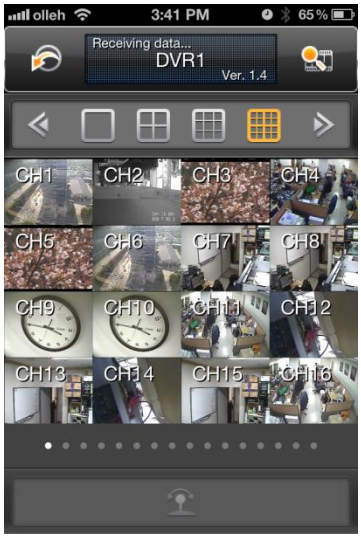
1) If a PTZ camera channel is shown, PTZ button( ) is activated.
2) PTZ control is available on the image screen. When you drag on the image, Pan/Tilt operation respond accordingly. With two fingers' operation(shrink or enlarge operation), you can control Zoom function.
3) When the PTZ mode is activated, preset control button( ) is activated. After selecting preset position and tap Run button( ), camera moves to the preset position.
4) Tap Exit button( ) to exit from the PTZ mode.

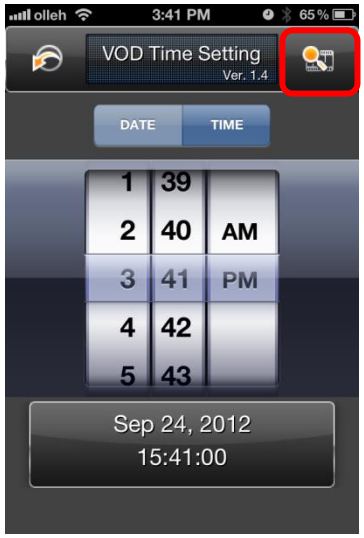


Note	**PTZ control may not be work immediately or properly depending on the network condition.**

4.4.3. Change into VOD Monitoring

1) During live monitoring, you can change it into VOD monitoring by tapping VOD button( ).
2) Please refer to "4.5 VOD Monitoring" for the detail of VOD monitoring.

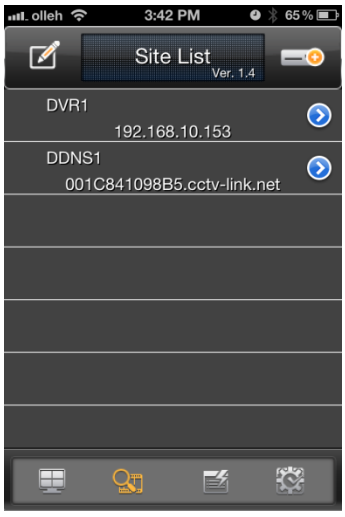




4.5 VOD Monitoring

4.5.1. VOD Monitoring

1) Tap VOD button( ) and select an appropriate site to display VOD connection screen..
2) After selecting the date and time, Tap VOD button( ) to start VOD monitoring.
3) In order to change time during VOD monitoring, tap time change button( ).



<iPhone Screen>

<iPAD Screen>

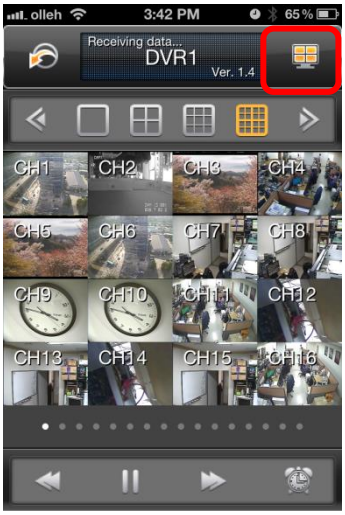
4) In order to change screen split mode in the horizontal view, tap mode change button( ) to activate screen mode button.

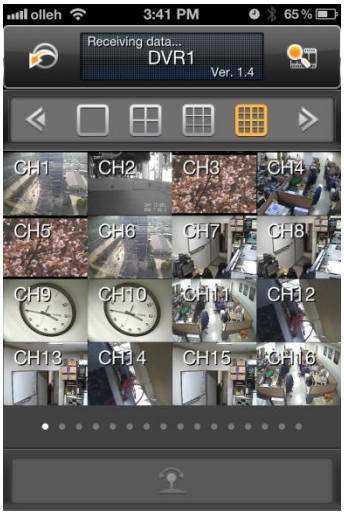
<iPhone Screen>

<iPAD Screen>

4.5.2. Change into Live Monitoring

1) During VOD monitoring, you can change it into live monitoring by tapping live button( ).
2) Please refer to “4.4 Live Monitoring” for the detail of VOD monitoring.

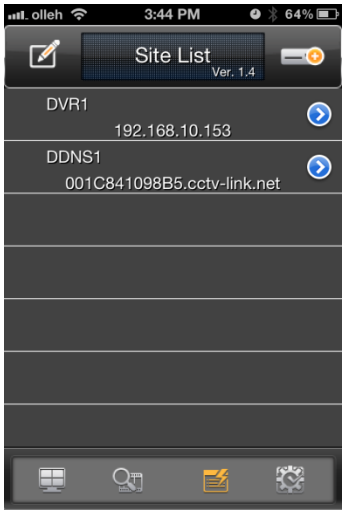


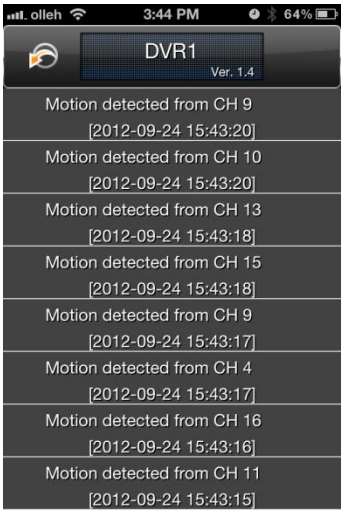


Note	1) iPod Touch also has the compatibility through Wi-Fi only. 2) If available, please use Wi-Fi network connection, instead of 3G connection. 3G connection may cause heavy charges. It is strongly recommended that user has to pay attention to connection mode, Wi-Fi (WiFi) or 3G (3G). 3) The default port of MobileViewerPro is 9010(TCP/IP port).

4.6 Event Viewer

1) MobileViewerPro has the event search function for the DVR. With this function, you can search current day’s event.
2) Tap event search button( ) and select the site to search event.
3) If the DVR doesn’t support Push Notification function(depending on the model or firmware version), information message will be shown. And if there is no event on the current day, empty screen will be shown.



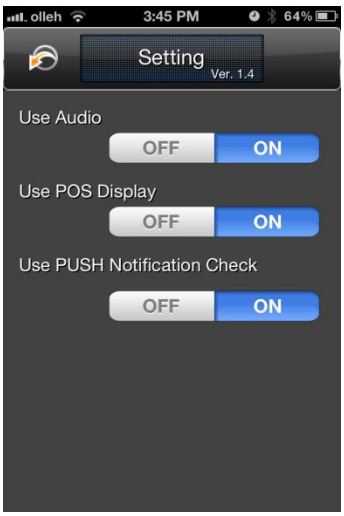


Note 1) Event search is available only for the current day's event.
2) If the date of the device is different from the date of the DVR, event search may not be available.
3) It may not work in some model & firmware version of the DVR.

4.7 Option Setting

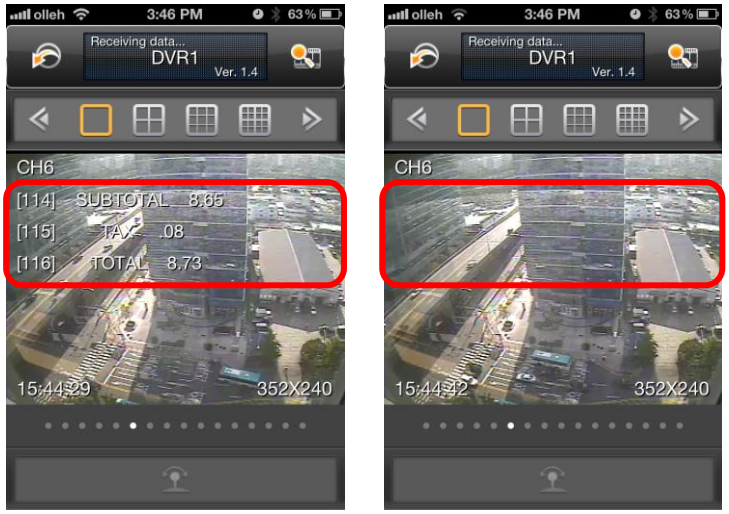
In order to set option, tap Option button( ).

1) "Use Audio" allows user to play audio from the DVR, if the DVR has audio input.
Default is "OFF".



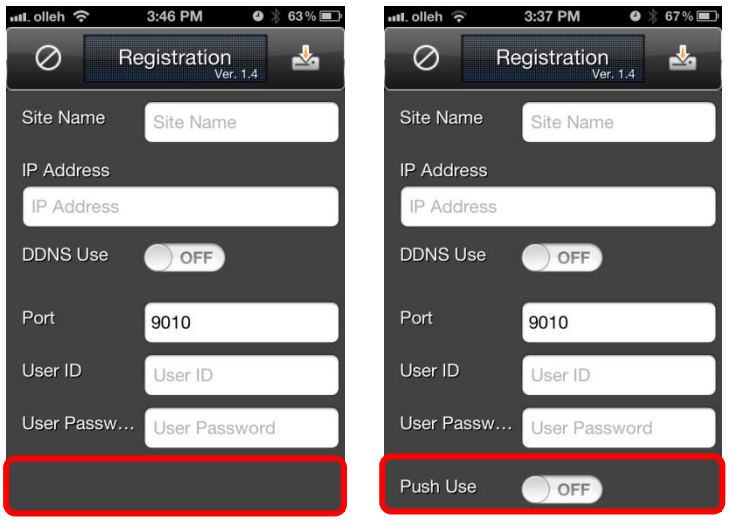
Note 1) Audio may not be played smoothly depending on the network condition.
2) Audio function works only in Live Monitoring mode.

2) "Use POS Display" allows user to display POS data from the DVR, if the DVR is connected to a POS equipment.
Default is "OFF".



Note	1) POS display function works only in the case that there is a POS equipment that is connected to the DVR. 2) POS display function works only in one(1) screen mode. 3) Some DVR models do not support POS connection function.

3) "Use PUSH Notification Check" allows user to use Push Notification function.
If it is set as "OFF", Push Use selection menu will not be shown in the site registration screen.

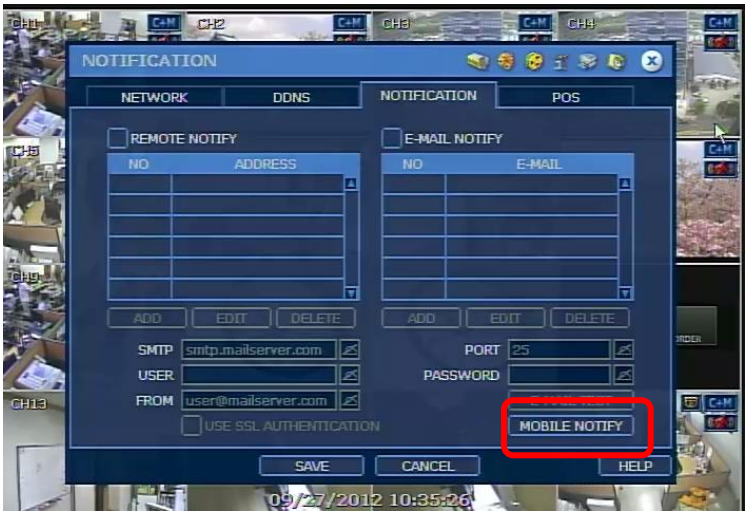


Note	1) Push Notification function works when the internet connection is available for both DVR & device. 2) It may not work in some model & firmware version of the DVR. 3) In order to use Push Notification function, setting at both DVR & MobileViewerPro are required. 4) Push Notification function is available in iOS(iPhone / iPAD / iPod touch).

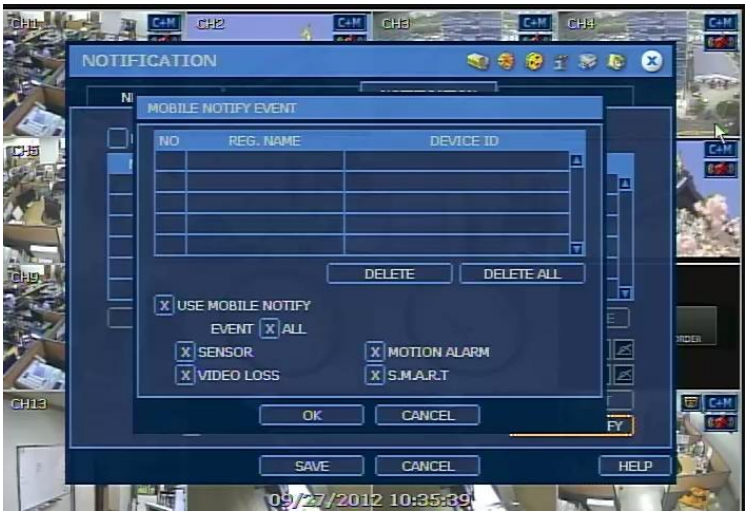
4.8 Appendix

4.8.1. How to set Push Notification

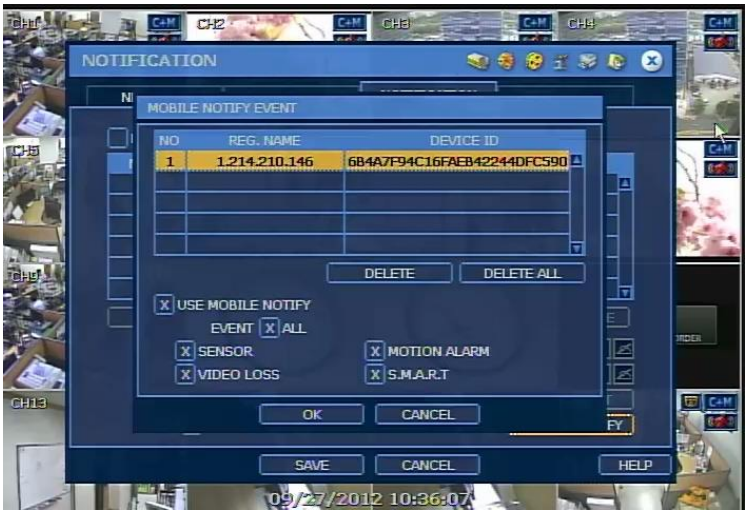
1) Go to “Network > Notification” in the DVR menu.
2) Click “Mobile Notify” button.



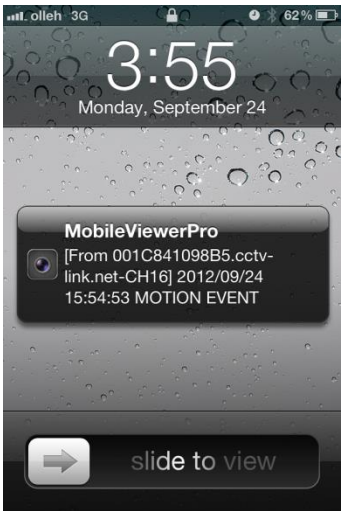
3) Click “USE MOBILE NOTIFY”.



4) If the device is registered properly, it will be shown in the list. If you want to delete it, select the device to delete and click “Delete” button.
Device ID is its own ID. If it is deleted, Push Use selection menu in the site registration screen of the MobileViewerPro will be disabled.



5) When an event is triggered at the DVR, MobileViewerPro receives it.

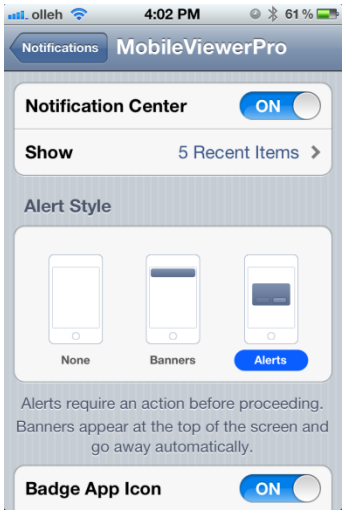


4.8.2. Restriction of Push Notification

1) If there are too many(often) push notification in a certain period, it might be possible to be regarded as DDOS attack and then the IP will be blocked. Due to this, motion alarm sends push notification in every 5 minutes.
2) The other alarms(sensor alarm, video loss & S.M.A.R.T alarm) are sent whenever the alarm is triggered.
3) It might be delayed or might not be received depending on the transmission server condition, DVR/device condition as well as network condition.
4) Once the IP is blocked due to too many(often) push notification in a certain period, the IP will not be used anymore.
5) It supports iOS device(iPhone, iPod Touch, iPad) only.
6) If Push Notification doesn't work properly, check the network condition and check if the device is registered in the DVR correctly. And also, check whether the Notification Center setting of the device is proper or not.

olleh
16:18
94%
Settings
Do Not Disturb
OFF
Notifications
General
Sounds
Brightness & Wallpaper
Privacy
iCloud
Mail, Contacts, Calendars

olleh
16:18
94%
Settings
Notifications
Edit
In Notification Center
Phone
Badges, Alerts
Messages
Badges, Banners
Reminders
Badges, Alerts
Passbook
Banners
Calendar
Badges, Alerts
MobileViewerPro
Badges, Sounds, Alerts
Not In Notification Center


olleh
4:02 PM
61 %
Notifications
MobileViewerPro
Notification Center
ON
Show
5 Recent Items
Alert Style
None
Banners
Alerts
Alerts require an action before proceeding.
Banners appear at the top of the screen and go away automatically.
Badge App Icon
ON

4.9 Q&A

Q : I connected to a DVR but cannot see display image.

A : 1) If the port of the router which is connected to the DVR is not properly opened, image may not be transmitted correctly. Please check the router setting.
2) DVR has the limitation for the number of remote connection in order to keep stable operation. Please try again after disconnecting the other connections.
3) If the mobile port is set in the site registration, it doesn't allow image transmission. MobileViewerPro uses TCP/IP port for image transmission.

Q : Image display is not smooth.

A : 1) DVR transmit encrypted image. In order to display it in the mobile phone, decryption process is required. This decryption may affect to the smooth display.
2) Image transmission is much dependent on the network condition. Bad network condition may affect to the smooth display.

Q : $1 is charged when I register Apple account.

A : 1) When you register the credit card information for payment information during the Apple account registration, they test it to check if it is correct information or not. And it will not be charged actually.
2) They check the credit card information irregularly. They, sometimes, do the test charge when you purchase App.(free program is treated as pay program).

5. Mobile Viewer for Android Phone

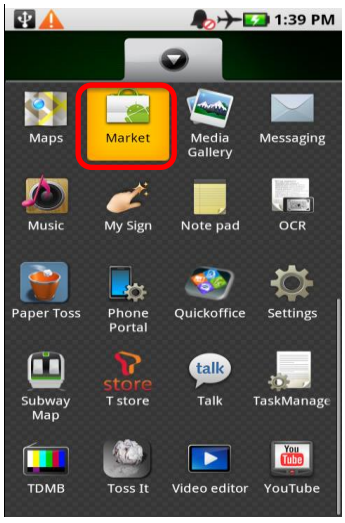
5.1 Specification of Android Phone

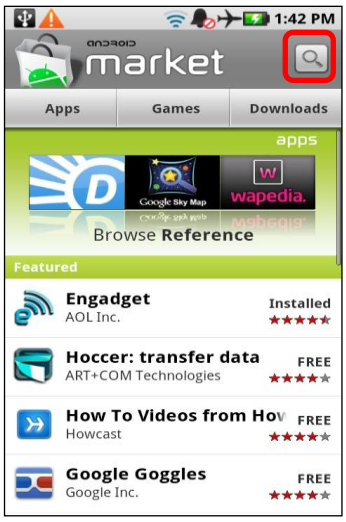
Item	Android Phone
O/S	Android 2.0.1 or higher
Network	Wi-Fi : 802.11b, 802.11g Dial-Up Network : HSDPA, EDGE
Memory	1MB for software installation

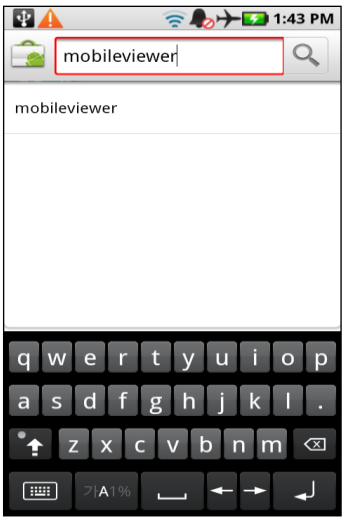
5.2 Install MobileViewer Software on Android Phone

1) Execute Market on main window.

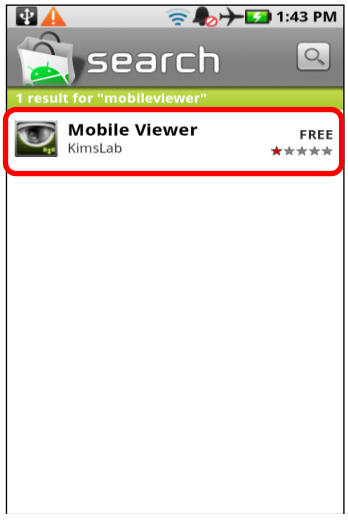
2) Tap search button ( ) and input “MobileViewer” in search box.

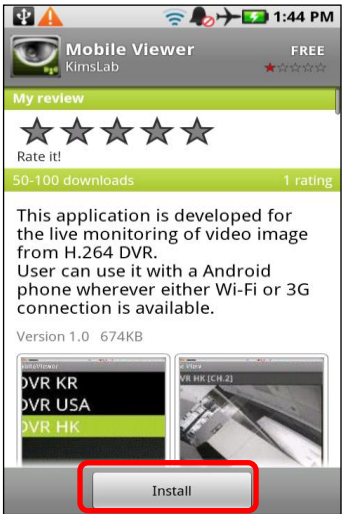




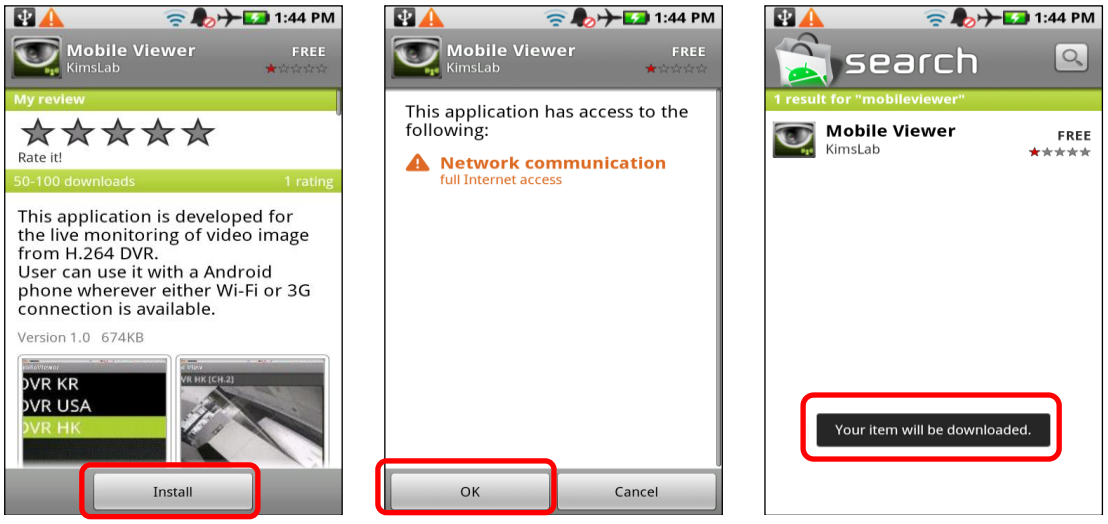


3) Tap the product icon to make sure that you have found the right software.




1:44 PM
Mobile Viewer
KimsLab
FREE
My review
Rate it!
50-100 downloads
1 rating
This application is developed for the live monitoring of video image from H.264 DVR.
User can use it with a Android phone wherever either Wi-Fi or 3G connection is available.
Version 1.0 674KB
Install

4) Tap [Install] button to start the download of Mobile Viewer.

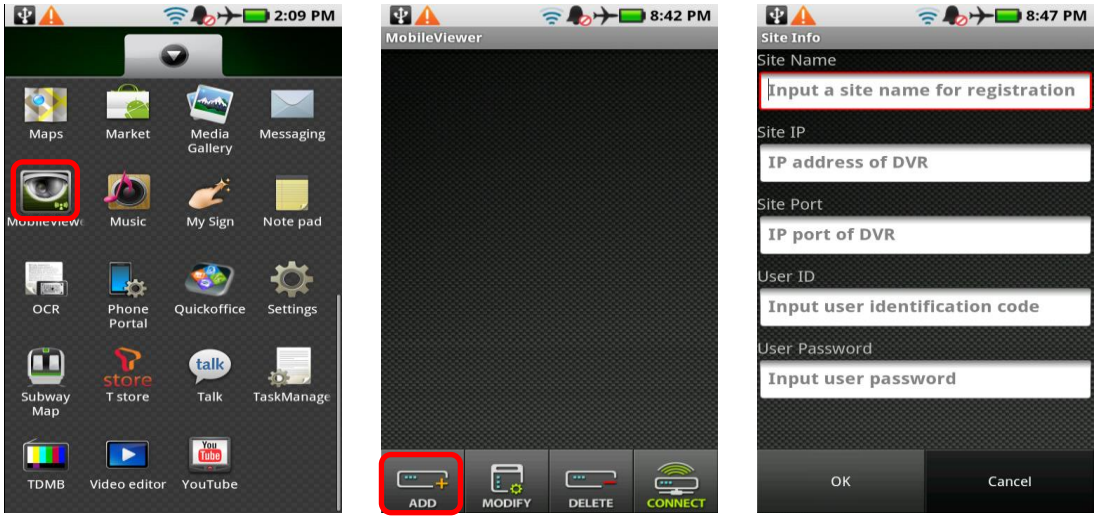


Note **1) MMS software for Android Phone can be installed through Market menu only.**
2) "Full Internet Access" should be allowed for installation.
For details, refer to the phone manual.

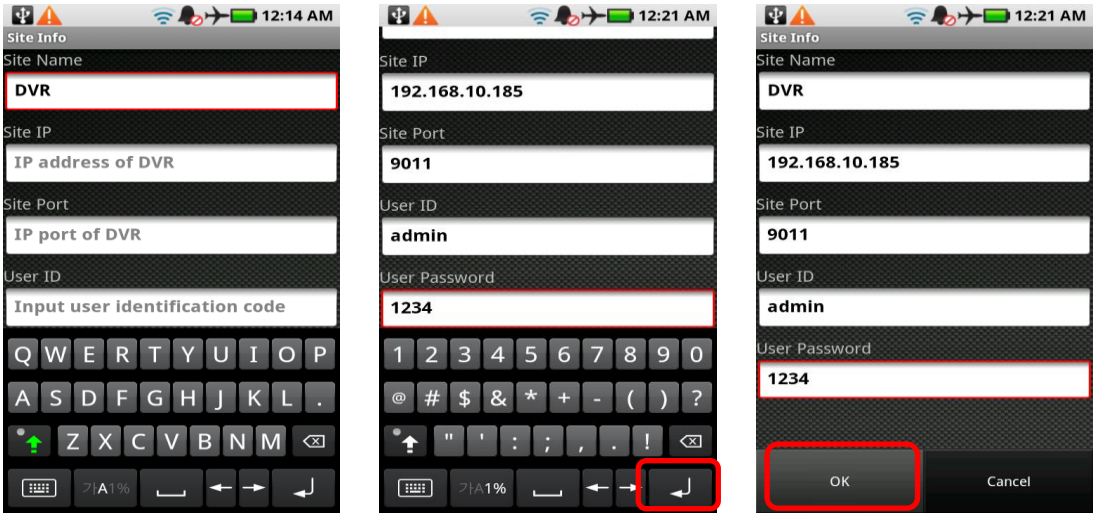
5.3 Site Management

5.3.1 Site Registration

1) Tap MobileViewer icon and then tap [ADD] button ( ) to register new site.



2) Tap "Data Input Box" to call virtual keypad and input necessary information. Position of each "Data Input Box" will be scrolled up for further data input.

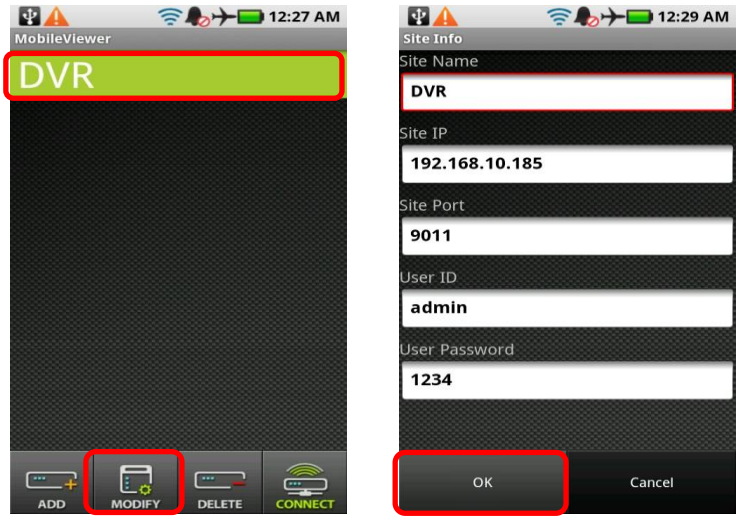


- DVR Name : Reference name
- IP Address : Input IP address of the DVR (ex, 123.123.123.123)
  - If you want to connect through DDNS (cctv-link.net), input full domain name.
    ex) 001C845C501F for mac address : 001C845C501F.cctv-link.net
    ex) demo1 for IP address : demo1.cctv-link.net
  - If you want to connect through public DDNS (dyndns.com), input full domain name.
    ex) yourdomainname.dyndns.org
- Network Port : Mobile port # set in the DVR (Default is 9011)
- User ID & Password : Same as registered in the DVR

3) After data input is completed, tap [Return] button ( ) to close virtual keypad and then tap [OK] button to save the site information.

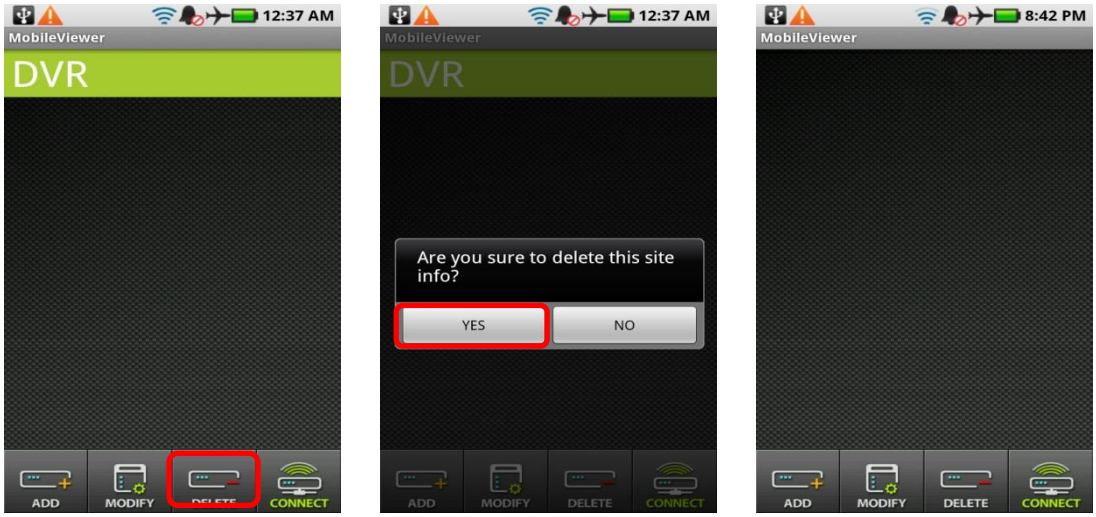
5.3.2 Site Modification

1) Select the target site and tap [MODIFY] button to call site information window.
2) Modify details of site information and tap [OK] button to complete.



5.3.3 Site Delete

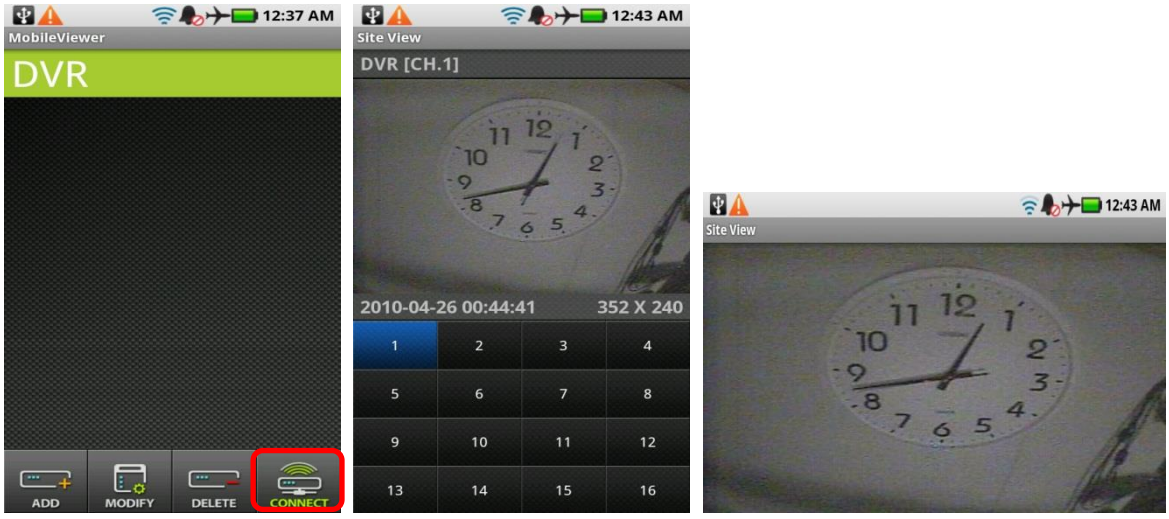
1) Select the target site and tap [DELETE] button.
2) Tap [YES] button to complete.



5.4 Mobile Monitoring

5.4.1 Live Monitoring

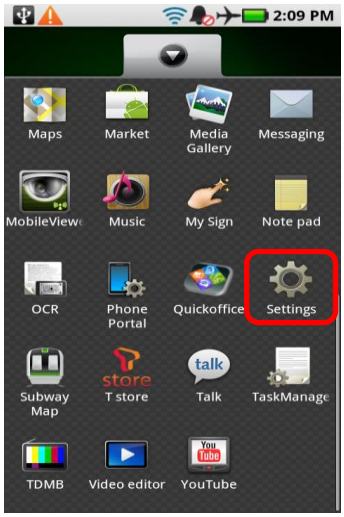
1) Select a specific site to view live image.
2) You can change the viewing channel by tapping numeric pad on the lower part of the phone.
3) Rotate the phone to view the image on full screen mode.

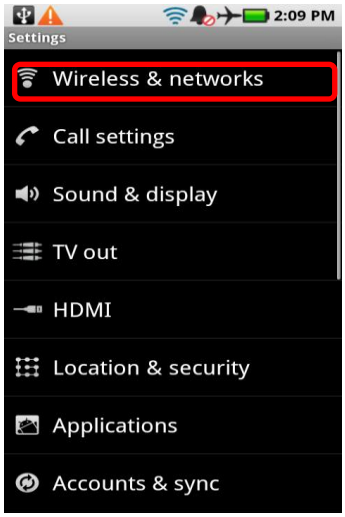


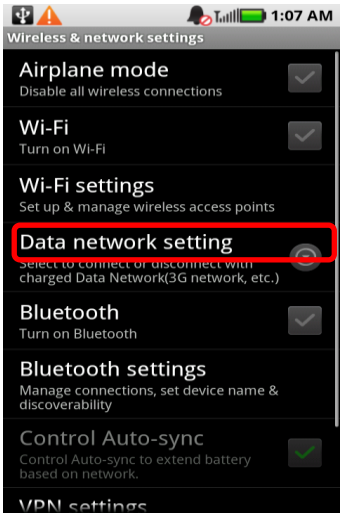
Note	Android Phone may be connected through 3G if Wi-Fi is not available, in this case, heavy connection charges would be levied. It is strongly recommended that user has to pay attention to connection mode, Wi-Fi ( ) or 3G ( ).

5.4.2 Live Monitoring

User can block or allow 3G connection based on the menu setting. (Ex, Motoroi® Phone)
Go to the menu of [Device > Settings > Wireless & networks > Data Network Setting] and select “Access allowed” or “Not allowed’.

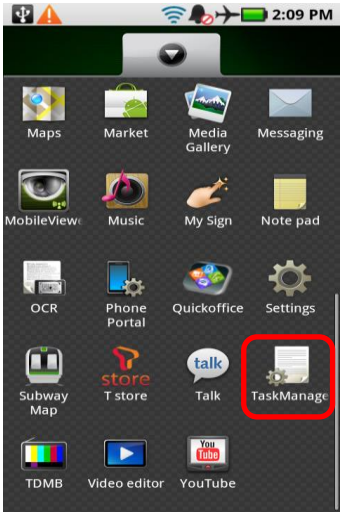


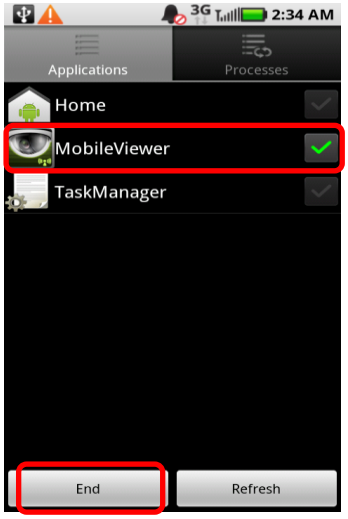


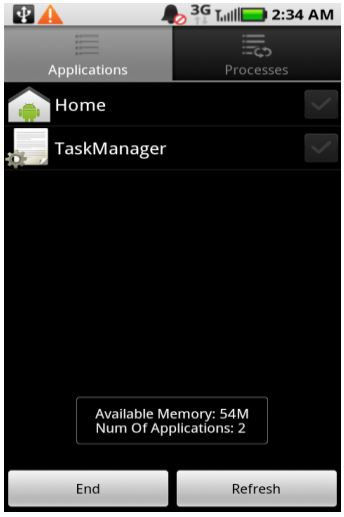


5.5 Close MMS Software

Tap [TaskManager], and then tap [End] button to close MobileViewer software.







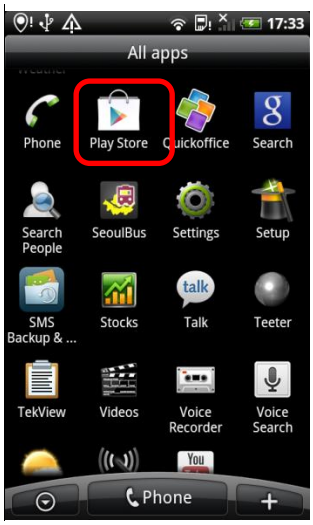
6 MobileViewer2 for Android Phone

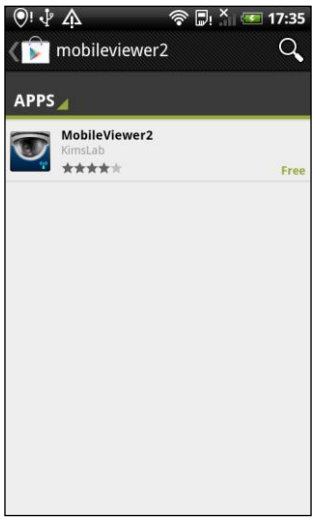
6.1 Specification of Android Phone

Item	Android Phone
O/S	Android 2.0.1 or higher Tested on Android 3.1 (as of 31st-Mar-2012)
Network	Wi-Fi, 3G/4G Network Support
Memory	1MB for software installation

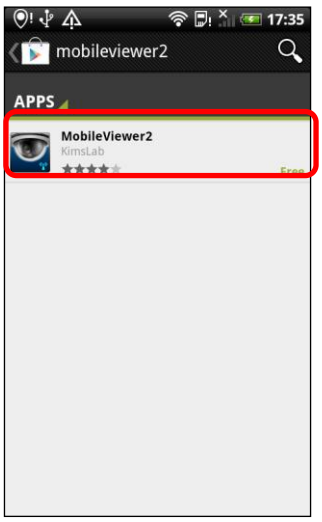
6.2 Install MobileViewer2 on Android Phone

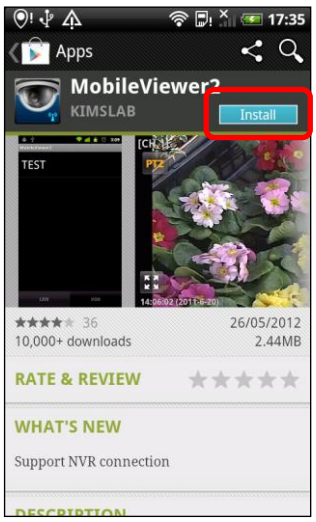
1) Execute Play Store(Google Market) on main window.
2) Tap search button ( ) and input “MobileViewer2” in search box.



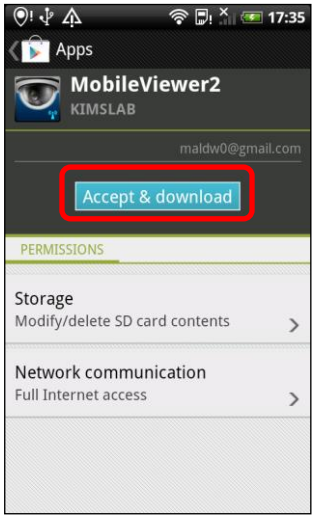


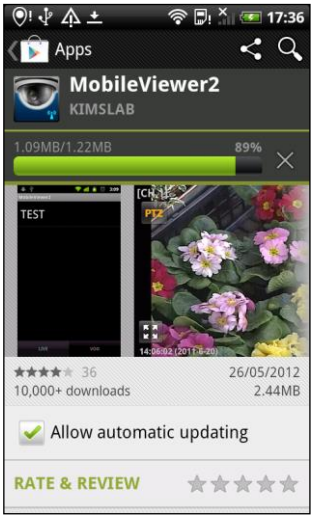
3) Tap the product icon to make sure that you have found the right software.

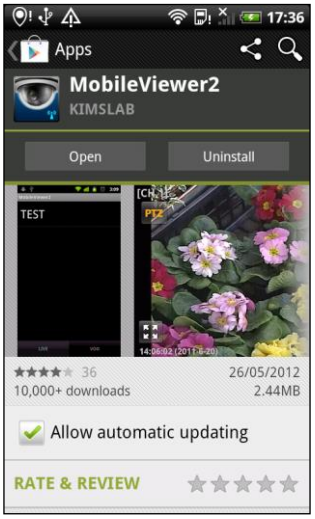




4) Tap [Install] button to start the download of MobileViewer2.
5) If they shows permission screen, Tap [Accept & download] button to keep installing.





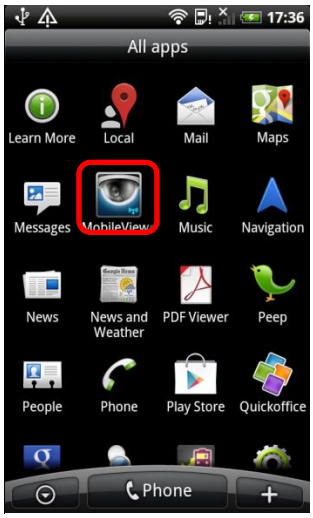


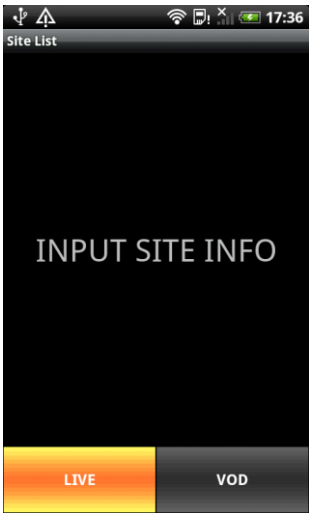
Note	1) MMS software for Android Phone can be installed through Market menu only. 2) “Full Internet Access” should be allowed for installation. For details, refer to the phone manual.

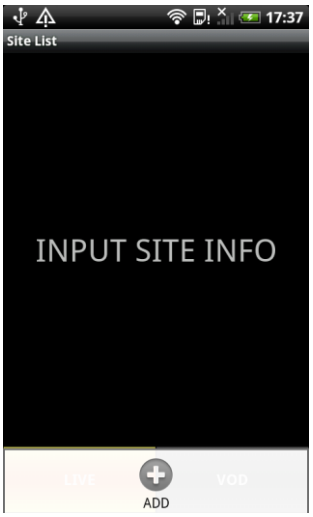
6.3 Site Management

6.3.1 Site Registration

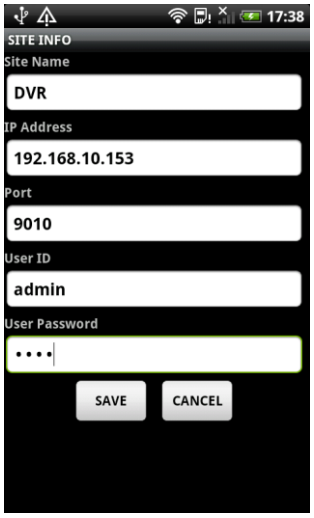
1) Tap MobileViewer2 icon and then tap [ADD] button ( ) to register new site.







2) Tap “Data Input Box” to call virtual keypad and input necessary information. Position of each “Data Input Box” will be scrolled up for further data input.

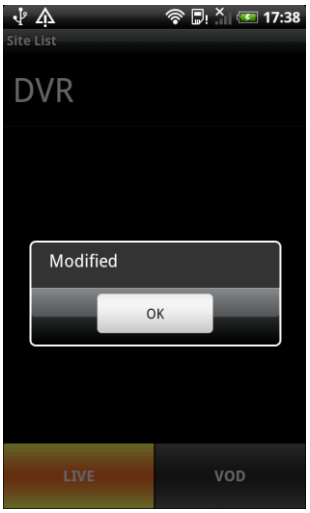


- DVR Name : Reference name
- IP Address : Input IP address of the DVR (ex, 123.123.123.123)
  - If you want to connect through DDNS (cctv-link.net), input full domain name.
    ex) 001C845C501F for mac address : 001C845C501F.cctv-link.net
    ex) demo1 for IP address : demo1.cctv-link.net
  - If you want to connect through public DDNS (dyndns.com), input full domain name.
    ex) yourdomainname.dyndns.org
- Network Port : TCP/IP port # set in the DVR (Default is 9010)
- User ID & Password : Same as registered in the DVR

3) After data input is completed, tap [return] button to close virtual keypad and then tap [Save] button to save the site information.
4) Tap [OK] button to complete site registration.

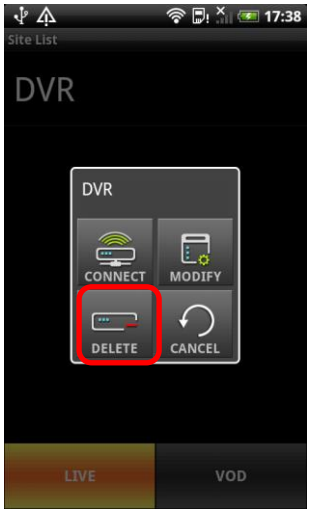
6.3.2 Site Modification

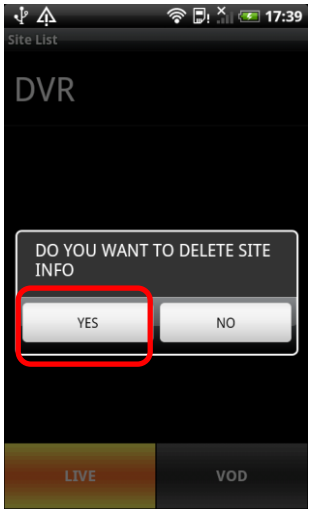
1) Tap the Modify icon and select specific site to open the site information
2) Modify details of site information and tap [Save] & [OK] button to complete.



6.3.3 Site Delete

1) If you want to delete a specific site, then tap the Delete icon and select your target site.
2) Tap [Yes] button to confirm the deletion.

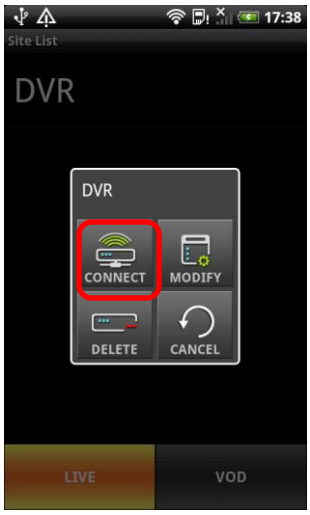




6.4 Mobile Monitoring

6.4.1 Live Monitoring

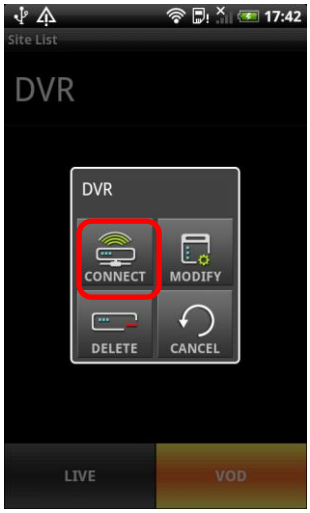
1) Tap [Live] button and select a specific site to view live image.
2) You can change the viewing channel by tapping numeric pad on the lower part of the phone.
3) Rotate the phone to view the image on full screen mode.
4) MobileViewer2 supports 1channel mode & 4channel mode. If you want to see in 4channel mode, tap screen mode button.



Note	Android Phone may be connected through 3G/4G if Wi-Fi is not available, in this case, heavy connection charges would be levied. It is strongly recommended that user has to pay attention to connection mode, Wi-Fi ( ) or 3G ( ).

6.4.2 VOD Monitoring

1) Tap [VOD] button and select a specific site to view live image.
2) When you tap [Connect] button, date/time selection screen will pop up.
3) Select date/time and tap [Playback] button.
4) You can change the viewing channel by tapping numeric pad on the lower part of the phone.
5) Rotate the phone to view the image on full screen mode.
6) If you want to move to another date/time, tap watch icon to open date/time selection screen.



6.5 Q&A

Q : I connected to a DVR but cannot see display image.

A : 1) If the port of the router which is connected to the DVR is not properly opened, image may not be transmitted correctly. Please check the router setting.
2) DVR has the limitation for the number of remote connection in order to keep stable operation. Please try again after disconnecting the other connections.
3) If the mobile port is set in the site registration, it doesn't allow image transmission. MobileViewer2 uses TCP/IP port for image transmission.

Q : Image display is not smooth.

A : 1) DVR transmit encrypted image. In order to display it in the mobile phone, decryption process is required. This decryption may affect to the smooth display.
2) Image transmission is much dependent on the network condition. Bad network condition may affect to the smooth display.

Q : I cannot find MobileViewer2 at Android Market

A : 1) Android Market supports application search technology which checks device OS version, language, resolution and the service provider, automatically. If the search condition does not correspond to the device, you cannot find the application that you are looking for.
2) Please check the OS version of the phone and compare with the specification in the manual.

>>>>> The End <<<<<